

Converting Colors

XYZ(75.1093, 80.0871,
102.4901)

Have a look what the booklet for
XYZ(75.1093, 80.0871, 102.4901)
contains.

XYZ(75.1668, 79.9946, 102.7456)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(75.1668, 79.9946,
102.7456)**

Conversions

Conversions Part 1

Format	Color
Hex	D9E9FB
RGB	217, 233, 251
RGB Percent	85%, 91%, 98%
CMY	0.1490, 0.0863, 0.0157
CMYK	0.14, 0.07, 0.00, 0.02
HSL	212°, 81%, 92%
HSV	212°, 14%, 98%
XYZ	75.1668, 79.9946, 102.7456
YIQ	230.2680, -15.3140, 2.2060

Conversions

Conversions Part 2

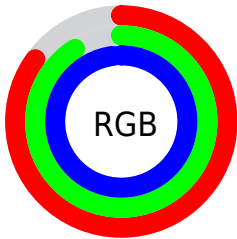
Format	Color
R_{YB}	217, 228, 251
Decimal	14281211
CIE _{Lab}	91.68, -1.77, -10.51
CIE _{LCh}	92, 10.658, 260.450
Yxy	79.9946, 0.2914, 0.3102
Android (android.graphics.Color)	4292471291 (0xFFD9E9FB)
YUV	230.2680, 10.2209, -11.6360
Hunter-Lab	89.4397, -6.5047, -5.5028

Details

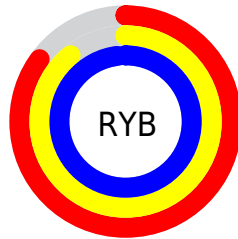
The XYZ color **75.1668, 79.9946, 102.7456** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **82.0169, 84.9354, 77.7187**, and the grayscale version is **75.3490, 79.2730, 86.3283**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.3600, 43.0207, 57.2156** is the 20% darker color. If you saturate the color by 10%, you get **64.6458, 69.1979, 101.2174**, and if you desaturate by 10%, it is **87.1104, 91.9493, 104.4249**.

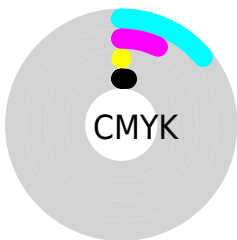
Distribution



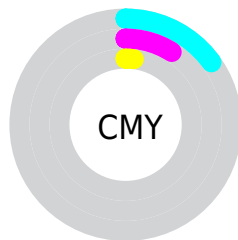
- Red (85%)
- Green (91%)
- Blue (98%)



- Red (85%)
- Yellow (89%)
- Blue (98%)



- Cyan (14%)
- Magenta (7%)
- Yellow (0%)
- Black (2%)



- Cyan (15%)
- Magenta (9%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 75.1668, 79.9946, 102.7456 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 75.1668, 79.9946, 102.7456 by changing the saturation by 10% instead.

■ 75.1668, 79.9946,
102.7456

■ 75.1668, 79.9946,
102.7456

467.4790,
494.9146, 590.2816

■ 56.0442, 59.7139,
77.9659

125.5351,
133.3581, 167.0099

■ 40.4755, 43.1881,
57.5296

157.5115,
167.2098, 207.3315

■ 28.0953, 30.0327,
41.0184

194.5032,
206.3539, 253.6707

■ 18.5384, 19.8634,
28.0137

236.8756,
251.1748, 306.4463

■ 11.4392, 12.2958,
18.0968

284.9940,
302.0569, 366.0766

■ 6.4325, 6.9455,
10.8494

339.2239,

■ 3.1530, 3.4280,

359.3847, 432.9802

5.8527

399.9304,
423.5424, 507.5757

■ 1.2352, 1.3591,
2.6884

■ 0.1339, 0.1863,
0.9376

■ 75.1668, 79.9946,
102.7456

■ 75.1668, 79.9946,
102.7456

■ 64.6458, 69.1979,
101.2174

■ 87.1104, 91.9493,
104.4249

■ 55.4831, 59.5105,
99.8305

■ 94.4128, 99.7451,
105.5447

■ 47.6196, 50.8946,
98.5819

■ 40.9888, 43.3060,
97.4666

■ 35.5178, 36.6968,
96.4793

■ 31.1253, 31.0146,
95.6140

■ 27.7179, 26.1998,
94.8643

■ 25.1828, 22.1828,
94.2225

■ 23.9079, 19.9553,
93.8598

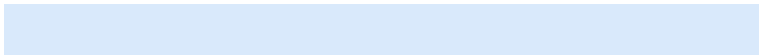
Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



72.7460, 79.9946, 99.1859



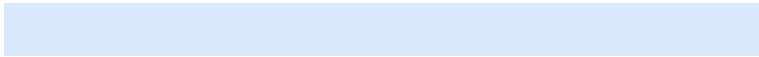
75.1668, 79.9946, 102.7456



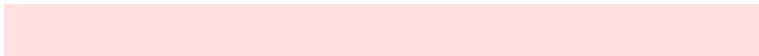
77.8771, 79.9946, 101.9245

Triad

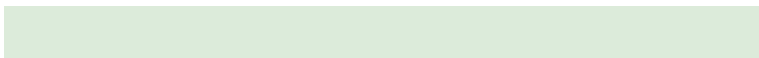
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



75.1668, 79.9946, 102.7456



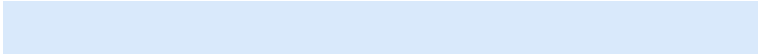
81.0462, 79.9946, 81.9642



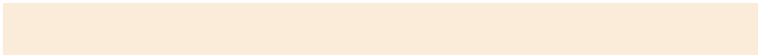
72.0651, 79.9946, 77.8942

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



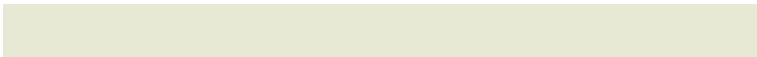
75.1668, 79.9946, 102.7456



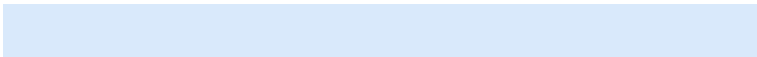
82.0169, 84.9354, 77.7187

Split Complementary

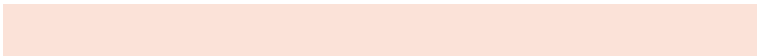
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



74.2172, 79.9946, 73.7884



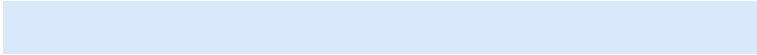
75.1668, 79.9946, 102.7456



79.4165, 79.9946, 76.0391

Square

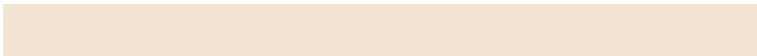
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



75.1668, 79.9946, 102.7456



81.3152, 79.9946, 89.6130



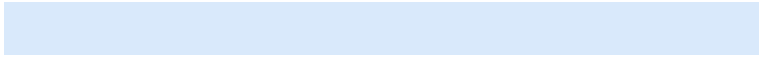
76.9048, 79.9946, 73.1301



70.9836, 79.9946, 84.6355

Rectangle

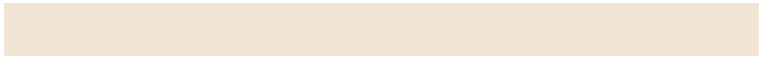
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



75.1668, 79.9946, 102.7456



79.4813, 79.9946, 99.0209



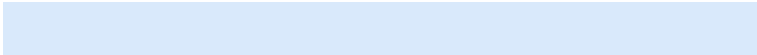
76.9048, 79.9946, 73.1301



72.6848, 79.9946, 76.1774

Sweetspot

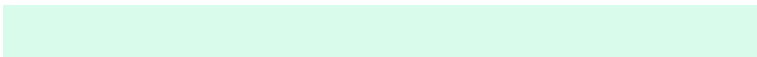
The Sweet Spot groups the original color and five complimentary colors.



75.1692, 79.9979, 102.7474



89.6982, 94.7200, 108.1629



78.0468, 89.7207, 91.4752



18.9895, 20.0662, 23.1223



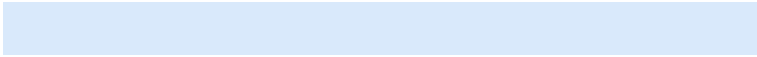
0.0000, 0.0000, 0.0000



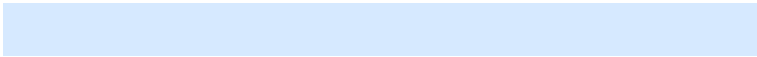
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.1692, 79.9979, 102.7474



75.0933, 80.0529, 106.1017



71.0110, 71.4311, 101.3130



16.9567, 17.9902, 21.9640



12.7100, 10.7755, 49.3835



1.2823, 1.2083, 4.6088

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



79.3064, 76.0199, 87.5880



80.1030, 75.3607, 87.7177



86.6027, 94.4096, 79.3057



17.5847, 17.3612, 19.6687



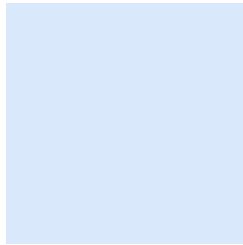
22.7074, 11.4987, 10.4337



2.1562, 1.0862, 1.2458

Previews

White Background



This preview shows how the XYZ color 75.1668, 79.9946, 102.7456 looks on a white background.

Color Contrast Check

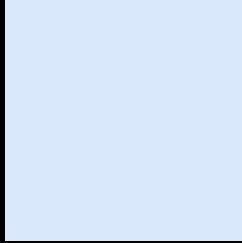
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 75.1668, 79.9946, 102.7456 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

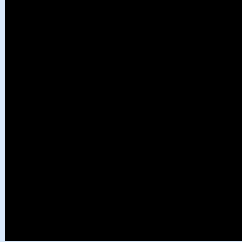
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

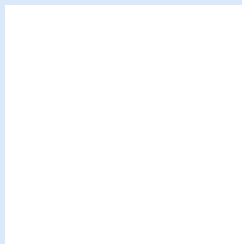
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 75.1668, 79.9946, 102.7456

Background



This preview shows how black text looks on a background with the XYZ color 75.1668, 79.9946, 102.7456.



This preview shows how white text looks on a background with the XYZ color 75.1668, 79.9946,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

75.1668, 79.9946, 102.7456

Protanopia

77.7513, 79.7012, 100.9085

Deuteranopia

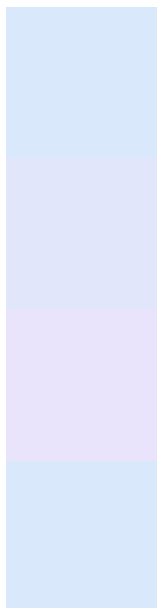
81.3474, 79.4578, 103.9779



Tritanopia

75.1668, 79.9946, 102.7456

Trichromacy



Original Color

75.1668, 79.9946, 102.7456

Protanomaly

76.6035, 79.5033, 101.7507

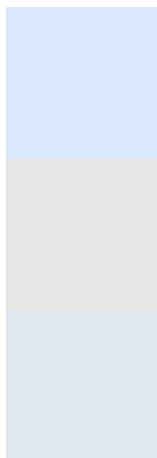
Deuteranomaly

78.9715, 79.4589, 103.2703

Tritanomaly

75.1668, 79.9946, 102.7456

Monochromacy



Original Color

75.1668, 79.9946, 102.7456

Achromatopsia

75.2129, 79.1298, 86.1723

Achromatomaly

75.0599, 79.3324, 92.2455

CSS Examples

Text

The CSS property to change the color of the text to XYZ 75.1668, 79.9946, 102.7456 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(217, 233, 251)` looks like.

```
.text, #text, p{  
    color:rgb(217, 233, 251)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(217, 233, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 233, 251) }
```

Border

The CSS property to change the border of an element to XYZ 75.1668, 79.9946, 102.7456 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(217, 233, 251) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(217, 233, 251) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(217, 233, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 233, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 233, 251);  
box-shadow:4px 4px 4px 4px rgb(217, 233,  
251) }
```

Background

The CSS property to change the background color of an element to XYZ 75.1668, 79.9946, 102.7456 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 233, 251) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(217,  
233, 251) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor