

Converting Colors

XYZ(75.2790, 80.1904,
103.8117)

Have a look what the booklet for
XYZ(75.2790, 80.1904, 103.8117)
contains.

XYZ(75.0285, 79.9050, 103.5642)	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(75.0285, 79.9050,
103.5642)**

Conversions

Conversions Part 1

Format	Color
Hex	D8E9FC
RGB	216, 233, 252
RGB Percent	85%, 91%, 99%
CMY	0.1529, 0.0863, 0.0118
CMYK	0.14, 0.08, 0.00, 0.01
HSL	212°, 86%, 92%
HSV	212°, 14%, 99%
XYZ	75.0285, 79.9050, 103.5642
YIQ	230.0830, -16.2310, 2.3050

Conversions

Conversions Part 2

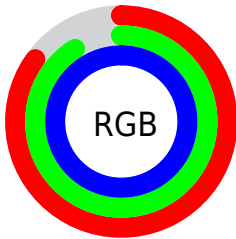
Format	Color
R _Y B	216, 228, 252
Decimal	14215676
CIE Lab	91.64, -1.88, -11.10
CIE LCh	92, 11.257, 260.393
Yxy	79.9050, 0.2902, 0.3091
Android (android.graphics.Color)	4292405756 (0xFFD8E9FC)
YUV	230.0830, 10.8051, -12.3508
Hunter-Lab	89.3896, -6.6091, -6.1190

Details

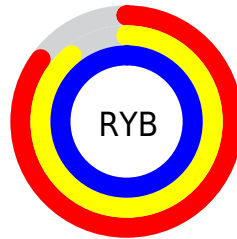
The XYZ color **75.0285, 79.9050, 103.5642** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **82.2484, 85.0698, 77.0526**, and the grayscale version is **75.2083, 79.1250, 86.1671**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.2704, 42.9615, 57.7997** is the 20% darker color. If you saturate the color by 10%, you get **64.5235, 69.1118, 102.0359**, and if you desaturate by 10%, it is **86.9637, 91.8608, 105.2441**.

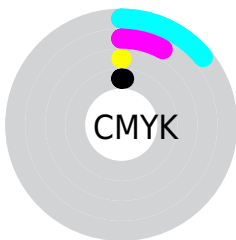
Distribution



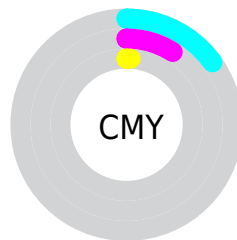
- Red (85%)
- Green (91%)
- Blue (99%)



- Red (85%)
- Yellow (89%)
- Blue (99%)



- Cyan (14%)
- Magenta (8%)
- Yellow (0%)
- Black (1%)



- Cyan (15%)
- Magenta (9%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 75.0285, 79.9050, 103.5642 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 75.0285, 79.9050, 103.5642 by changing the saturation by 10% instead.

■ 75.0285, 79.9050,
103.5642

■ 75.0285, 79.9050,
103.5642

467.0112,
494.6126, 592.9044

■ 55.9305, 59.6402,
78.6471

125.3404,
133.2322, 168.1411

■ 40.3840, 43.1287,
58.0861

157.2850,
167.0633, 208.6379

■ 28.0236, 29.9861,
41.4627

194.2425,
206.1853, 255.1651

■ 18.4840, 19.8280,
28.3584

236.5783,
250.9826, 308.1411

■ 11.3998, 12.2701,
18.3546

284.6577,
301.8396, 367.9845

■ 6.4057, 6.9279,
11.0328

338.8461,

■ 3.1363, 3.4171,

359.1407, 435.1138

5.9745

399.5088,
423.2702, 509.9476

■ 1.2262, 1.3531,
2.7610

■ 0.1269, 0.1818,
0.9739

■ 75.0285, 79.9050,
103.5642

■ 75.0285, 79.9050,
103.5642

■ 64.5235, 69.1118,
102.0359

■ 86.9637, 91.8608,
105.2441

■ 55.3834, 59.4322,
100.6492

94.5709, 99.8084,
106.3772

■ 47.5485, 50.8278,
99.4014

■ 40.9513, 43.2540,
98.2872

■ 35.5176, 36.6622,
97.3012

■ 31.1646, 30.9990,
96.4375

■ 27.7968, 26.2041,
95.6895

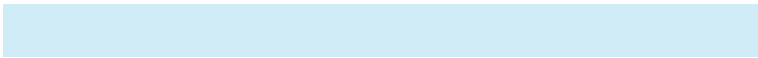
■ 25.2988, 22.2060,
95.0495

■ 24.1703, 20.2272,
94.7270

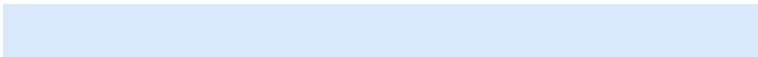
Harmonies

Analogous

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



72.4775, 79.9050, 99.7787



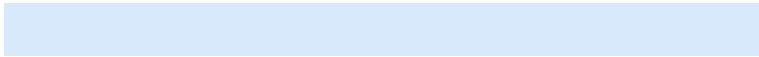
75.0285, 79.9050, 103.5642



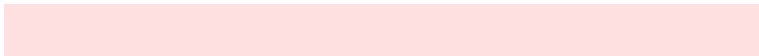
77.8898, 79.9050, 102.7015

Triad

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



75.0285, 79.9050, 103.5642



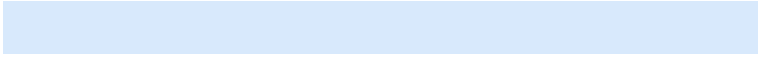
81.2474, 79.9050, 81.6023



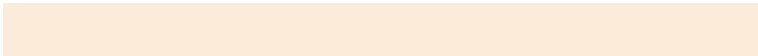
71.7676, 79.9050, 77.2955

Complementary

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



75.0285, 79.9050, 103.5642



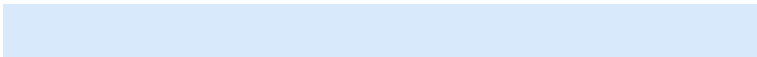
82.2484, 85.0698, 77.0526

Split Complementary

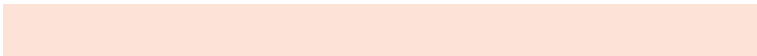
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



74.0374, 79.9050, 72.9916



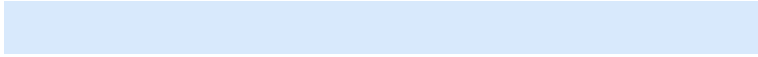
75.0285, 79.9050, 103.5642



79.5262, 79.9050, 75.3672

Square

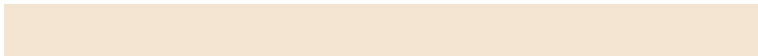
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



75.0285, 79.9050, 103.5642



81.5290, 79.9050, 89.6719



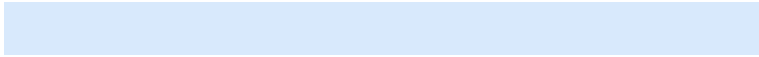
76.8736, 79.9050, 72.3087



70.6264, 79.9050, 84.3875

Rectangle

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



75.0285, 79.9050, 103.5642



79.5861, 79.9050, 99.6258



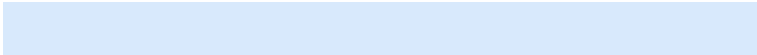
76.8736, 79.9050, 72.3087



72.4212, 79.9050, 75.4941

Sweetspot

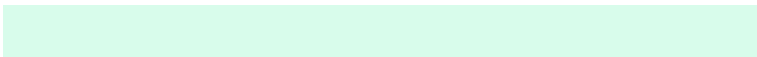
The Sweet Spot groups the original color and five complimentary colors.



75.0309, 79.9083, 103.5660



89.7033, 94.7303, 108.1646



78.0684, 90.1962, 91.5910



18.9908, 20.0688, 23.1227



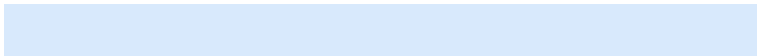
0.0000, 0.0000, 0.0000



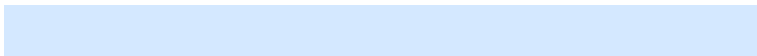
20.3446, 21.4041, 23.3091

Same Dimension

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



75.0309, 79.9083, 103.5660



73.9922, 78.9484, 105.9465



70.6246, 70.8322, 102.0464



16.9591, 17.9950, 21.9648



12.7355, 10.8265, 49.3920



1.2847, 1.2132, 4.6096

Inverse Universe

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



79.4106, 75.6922, 87.5192



79.2793, 74.0054, 86.5426



87.1343, 95.1636, 78.7433



17.5859, 17.3617, 19.6751



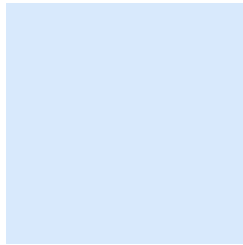
22.7203, 11.5038, 10.5015



2.1574, 1.0867, 1.2523

Previews

White Background



This preview shows how the XYZ color 75.0285, 79.9050, 103.5642 looks on a white background.

Color Contrast Check

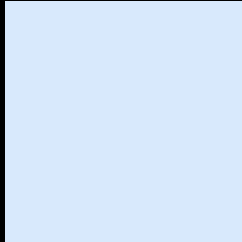
Large Text (above 18pt) WCAG AA × Fail

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 75.0285, 79.9050, 103.5642 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

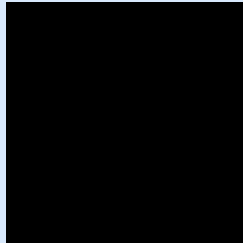
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

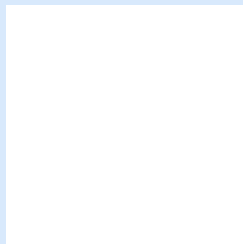
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 75.0285, 79.9050, 103.5642

Background



This preview shows how black text looks on a background with the XYZ color 75.0285, 79.9050, 103.5642.



This preview shows how white text looks on a background with the XYZ color 75.0285, 79.9050,

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

75.0285, 79.9050, 103.5642

Protanopia

77.5877, 79.5988, 101.7173

Deuteranopia

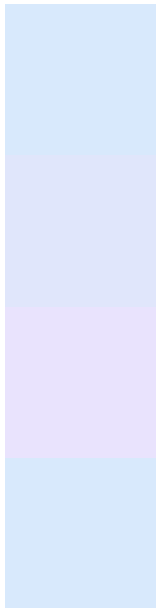
81.5072, 79.5218, 104.8193



Tritanopia

75.0285, 79.9050, 103.5642

Trichromacy



Original Color

75.0285, 79.9050, 103.5642

Protanomaly

76.4499, 79.4060, 102.5643

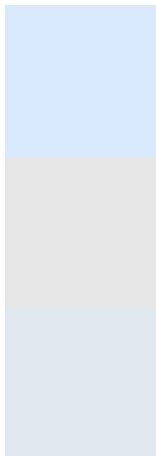
Deuteranomaly

78.8030, 79.3537, 104.0919

Tritanomaly

75.0285, 79.9050, 103.5642

Monochromacy



Original Color

75.0285, 79.9050, 103.5642

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 75.0285, 79.9050, 103.5642 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(216, 233, 252)` looks like.

```
.text, #text, p{  
    color:rgb(216, 233, 252)  
}
```

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(216, 233, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 233, 252) }
```

Border

The CSS property to change the border of an element to XYZ 75.0285, 79.9050, 103.5642 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(216, 233, 252) }
```


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

```
.border{ border-color:rgb(216, 233, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 233, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 233, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 233, 252);  
box-shadow:4px 4px 4px 4px rgb(216, 233,  
252) }
```

Background

The CSS property to change the background color of an element to XYZ 75.0285, 79.9050, 103.5642 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 233, 252) }
```

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

```
.background{ background-color: rgb(216,  
233, 252) }
```

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