

Converting Colors

XYZ(75.7018, 82.9670, 99.8390)

Have a look what the booklet for
XYZ(75.7018, 82.9670, 99.8390)
contains.

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Color

**XYZ(75.6793, 82.8955,
100.0074)**

Conversions

Conversions Part 1

Format	Color
Hex	D7EFF7
RGB	215, 239, 247
RGB Percent	84%, 94%, 97%
CMY	0.1569, 0.0627, 0.0314
CMYK	0.13, 0.03, 0.00, 0.03
HSL	195°, 67%, 91%
HSV	195°, 13%, 97%
XYZ	75.6793, 82.8955, 100.0074
YIQ	232.7360, -16.8720, -2.6000

Conversions

Conversions Part 2

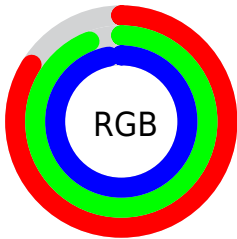
Format	Color
R _Y B	215, 229, 247
Decimal	14151671
CIE Lab	92.97, -6.26, -6.53
CIE LCh	93, 9.051, 226.209
Yxy	82.8955, 0.2927, 0.3206
Android (android.graphics.Color)	4292341751 (0xFFD7EFF7)
YUV	232.7360, 7.0322, -15.5545
Hunter-Lab	91.0470, -10.9609, -1.3922

Details

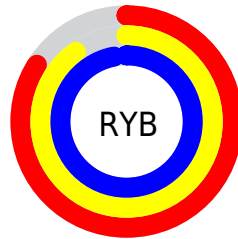
The XYZ color **75.6793, 82.8955, 100.0074** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **77.0116, 77.4554, 75.1828**, and the grayscale version is **77.2135, 81.2346, 88.4645**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.8347, 45.1021, 55.8436** is the 20% darker color. If you saturate the color by 10%, you get **67.1911, 75.8848, 99.1029**, and if you desaturate by 10%, it is **85.3291, 90.6010, 100.9874**.

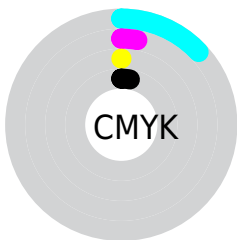
Distribution



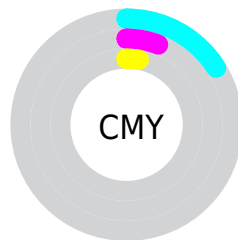
- Red (84%)
- Green (94%)
- Blue (97%)



- Red (84%)
- Yellow (90%)
- Blue (97%)



- Cyan (13%)
- Magenta (3%)
- Yellow (0%)
- Black (3%)



- Cyan (16%)
- Magenta (6%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 75.6793, 82.8955, 100.0074 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 75.6793, 82.8955, 100.0074 by changing the saturation by 10% instead.

■ 75.6793, 82.8955,
100.0074

■ 75.6793, 82.8955,
100.0074

469.2105,
504.6382, 581.4633

■ 56.4657, 62.1039,
75.6898

126.2563,
137.4291, 163.2193

■ 40.8149, 45.1167,
55.6731

158.3503,
171.9399, 202.9507

■ 28.3615, 31.5494,
39.5386

195.4686,
211.7926, 248.6571

■ 18.7402, 21.0175,
26.8679

237.9764,
257.3716, 300.7571

■ 11.5856, 13.1368,
17.2425

286.2392,
309.0613, 359.6691

■ 6.5323, 7.5228,
10.2438

340.6222,

■ 3.2151, 3.7912,

367.2460, 425.8118

5.4532

401.4908,
432.3102, 499.6037

■ 1.2685, 1.5574,
2.4522

■ 0.1595, 0.3286,
0.8147

■ 75.6793, 82.8955,
100.0074

■ 75.6793, 82.8955,
100.0074

■ 67.1911, 75.8848,
99.1029

■ 85.3291, 90.6010,
100.9874

■ 59.8076, 69.5322,
98.2659

■ 92.6353, 97.1887,
101.8739

■ 53.4781, 63.8127,
97.4955

■ 93.7888, 99.4955,
102.2584

■ 48.1446, 58.6955,
96.7889

■ 43.7436, 54.1470,
96.1429

■ 40.2037, 50.1294,
95.5540

■ 37.4423, 46.5991,
95.0181

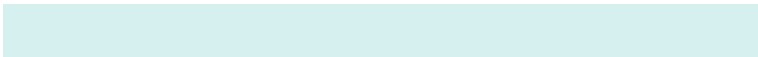
■ 35.3598, 43.5038,
94.5304

■ 34.1960, 41.5300,
94.2108

Harmonies

Analogous

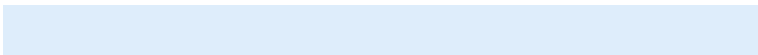
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



74.4961, 82.8955, 93.9498



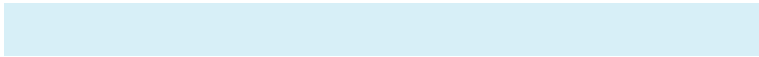
75.6793, 82.8955, 100.0074



77.7088, 82.8955, 103.5304

Triad

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



75.6793, 82.8955, 100.0074



83.2967, 82.8955, 93.4047



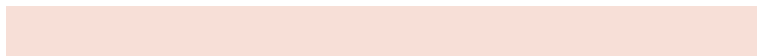
77.5250, 82.8955, 78.3029

Complementary

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



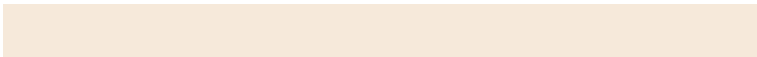
75.6793, 82.8955, 100.0074



77.0116, 77.4554, 75.1828

Split Complementary

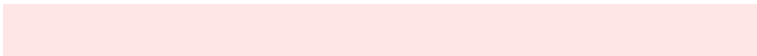
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



79.8805, 82.8955, 78.1734



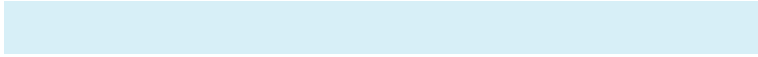
75.6793, 82.8955, 100.0074



83.2451, 82.8955, 86.6664

Square

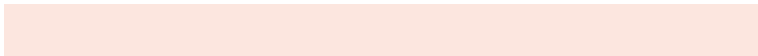
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



75.6793, 82.8955, 100.0074



82.1238, 82.8955, 99.5912



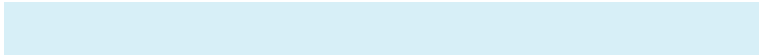
81.9841, 82.8955, 81.1658



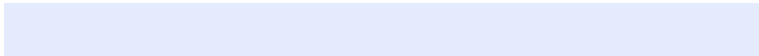
75.5471, 82.8955, 81.5290

Rectangle

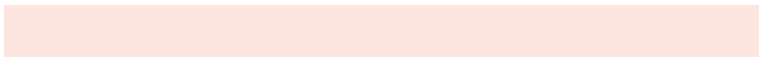
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



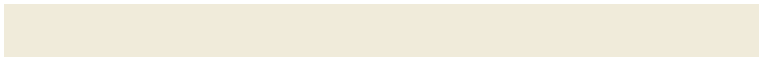
75.6793, 82.8955, 100.0074



79.2834, 82.8955, 103.8590



81.9841, 82.8955, 81.1658



78.2981, 82.8955, 77.9015

Sweetspot

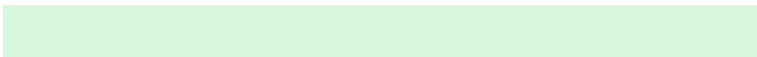
The Sweet Spot groups the original color and five complimentary colors.



75.6817, 82.8990, 100.0092



90.5887, 96.5010, 108.4598



74.5339, 86.2690, 82.1602



19.2151, 20.5173, 23.1974



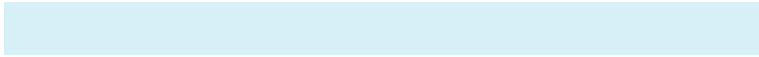
0.0000, 0.0000, 0.0000



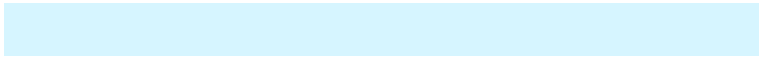
20.3446, 21.4041, 23.3091

Same Dimension

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



75.6817, 82.8990, 100.0092



78.4333, 86.7328, 107.2150



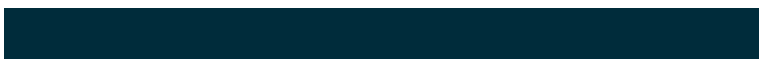
71.3446, 74.2247, 98.5635



16.6256, 18.0154, 21.1436



18.2034, 22.2006, 49.8638



1.6808, 2.1131, 4.4095

Inverse Universe

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



78.2401, 74.6087, 91.9426



81.7888, 76.0351, 96.5953



81.3354, 86.1030, 76.6241



17.0263, 16.6934, 19.8852



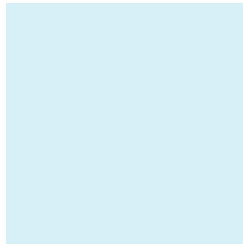
24.9928, 12.3405, 25.7340



2.2375, 1.1010, 2.4769

Previews

White Background



This preview shows how the XYZ color 75.6793, 82.8955, 100.0074 looks on a white background.

Color Contrast Check

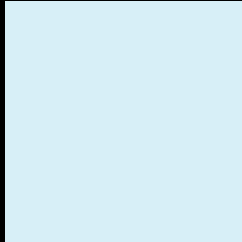
Large Text (above 18pt) WCAG AA × Fail

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 75.6793, 82.8955, 100.0074 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

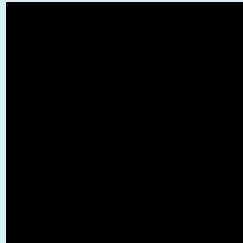
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 75.6793, 82.8955, 100.0074

Background



This preview shows how black text looks on a background with the XYZ color 75.6793, 82.8955, 100.0074.



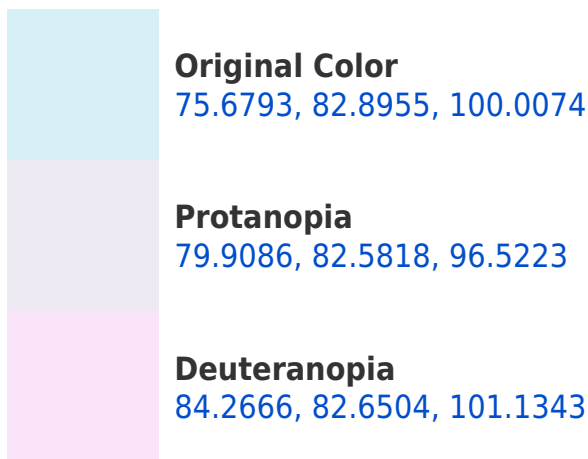
This preview shows how white text looks on a background with the XYZ color 75.6793, 82.8955,

100.0074.

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

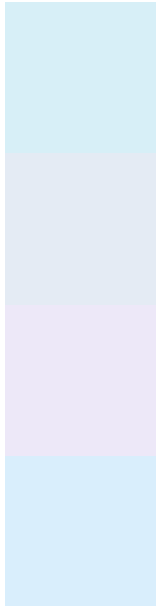




Tritanopia

77.2476, 82.6938, 106.4979

Trichromacy



Original Color

75.6793, 82.8955, 100.0074

Protanomaly

78.0324, 82.4423, 97.3882

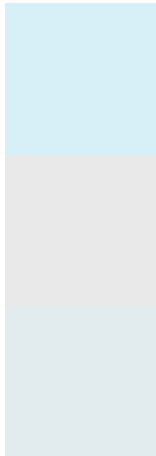
Deuteranomaly

80.7249, 82.4951, 100.4754

Tritanomaly

76.7605, 82.9291, 104.0567

Monochromacy



Original Color

75.6793, 82.8955, 100.0074

Achromatopsia

77.4512, 81.4847, 88.7368

Achromatomaly

76.5050, 81.7585, 92.6376

CSS Examples

Text

The CSS property to change the color of the text to XYZ 75.6793, 82.8955, 100.0074 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(215, 239, 247)` looks like.

```
.text, #text, p{  
    color:rgb(215, 239, 247)  
}
```

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(215, 239, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 239, 247) }
```

Border

The CSS property to change the border of an element to XYZ 75.6793, 82.8955, 100.0074 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(215, 239, 247) }
```


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

```
.border{ border-color:rgb(215, 239, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 239, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 239, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 239, 247);  
box-shadow:4px 4px 4px 4px rgb(215, 239,  
247) }
```

Background

The CSS property to change the background color of an element to XYZ 75.6793, 82.8955, 100.0074 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 239, 247) }
```

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

```
.background{ background-color: rgb(215,  
239, 247) }
```

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](#).

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