

Converting Colors

XYZ(51.0386, 74.4620, 74.4479)

Have a look what the booklet for
XYZ(51.0386, 74.4620, 74.4479)
contains.

XYZ(50.9799, 74.2687, 74.5992)	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(50.9799, 74.2687,
74.5992)**

Conversions

Conversions Part 1

Format	Color
Hex	68F7D5
RGB	104, 247, 213
RGB Percent	41%, 97%, 84%
CMY	0.5921, 0.0314, 0.1647
CMYK	0.58, 0.00, 0.14, 0.03
HSL	166°, 90%, 69%
HSV	166°, 58%, 97%
XYZ	50.9799, 74.2687, 74.5992
YIQ	200.3670, -74.3140, -40.8900

Conversions

Conversions Part 2

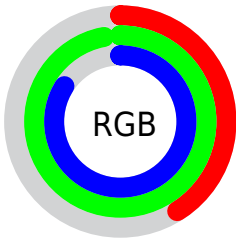
Format	Color
RYB	104, 185, 247
Decimal	6879189
CIELab	89.05, -46.55, 4.81
CIElCh	89, 46.799, 174.107
Yxy	74.2687, 0.2551, 0.3716
Android (android.graphics.Color)	4285069269 (0xFF68F7D5)
YUV	200.3670, 6.2281, -84.5139
Hunter-Lab	86.1793, -45.2210, 9.0024

Details

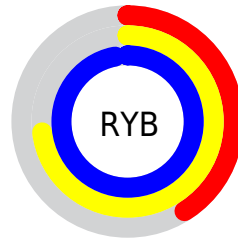
The XYZ color **50.9799, 74.2687, 74.5992** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **47.8980, 31.5117, 27.6052**, and the grayscale version is **55.1234, 57.9941, 63.1556**.

A 20% lighter version of the original color is **69.5359, 86.8470, 107.7060**, and **24.9159, 39.4661, 38.6523** is the 20% darker color. If you saturate the color by 10%, you get **47.7901, 72.7107, 70.6298**, and if you desaturate by 10%, it is **55.0403, 76.2761, 78.7535**.

Distribution



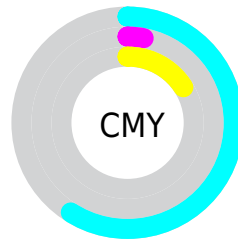
- Red (41%)
- Green (97%)
- Blue (84%)



- Red (41%)
- Yellow (73%)
- Blue (97%)



- Cyan (58%)
- Magenta (0%)
- Yellow (14%)
- Black (3%)





- Cyan (59%)
- Magenta (3%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.9799, 74.2687, 74.5992 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 50.9799, 74.2687, 74.5992 by changing the saturation by 10% instead.


 50.9799, 74.2687,
74.5992


 50.9799, 74.2687,
74.5992


380.8746,
475.4002, 495.7575


 36.4136, 55.0140,
54.7849


 90.8082, 125.2766,
127.4867

 24.9254, 39.4129,
38.8321


 116.8010,
157.7986, 161.3970

 16.1499, 27.0811,
26.3223


 147.3332,
195.5119, 200.8429

 9.7218, 17.6341,
16.8370

182.7703,
238.8007, 246.2432

 5.2757, 10.6876,
9.9576

223.4777,
288.0496, 298.0162

 2.4464, 5.8572,
5.2656

269.8206,

 0.8683, 2.7584,

343.6429, 356.5806

2.3425

322.1645,
405.9650, 422.3548

■ 0.0000, 1.0070,
0.7549

■ 0.0000, 0.0000,
0.0000

■ 50.9799, 74.2687,
74.5992

■ 50.9799, 74.2687,
74.5992

■ 47.7901, 72.7107,
70.6298

■ 55.0403, 76.2761,
78.7535

■ 45.3887, 71.5543,
66.8352


■ 60.0319, 78.7584,
83.0922


■ 43.6883, 70.7561,
63.2114

■ 66.0169, 81.7498,
87.6213


■ 42.5679, 70.2539,
59.7512


■ 73.0503, 85.2784,
92.3446

 42.3685, 70.1667,
59.0413

 81.1830, 89.3705,
97.2660

 90.4627, 94.0505,
102.3890

 92.4098, 94.9472,
107.3183

 92.5520, 95.0041,
108.0673

Harmonies

Analogous

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



54.3020, 74.2687, 49.4017



50.9799, 74.2687, 74.5992



52.4370, 74.2687, 109.2659

Triad

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



50.9799, 74.2687, 74.5992



79.9126, 74.2687, 152.6392



84.2156, 74.2687, 39.9726

Complementary

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



50.9799, 74.2687, 74.5992



47.8980, 31.5117, 27.6052

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.



92.5129, 74.2687, 57.8701



50.9799, 74.2687, 74.5992



89.8476, 74.2687, 123.4646

Square

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



50.9799, 74.2687, 74.5992



68.3667, 74.2687, 160.6183



94.6771, 74.2687, 87.4743



72.8614, 74.2687, 33.1660

Rectangle

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



50.9799, 74.2687, 74.5992



56.0114, 74.2687, 132.8106



94.6771, 74.2687, 87.4743



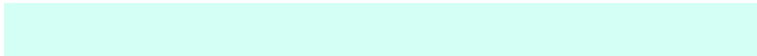
87.5016, 74.2687, 44.6134

Sweetspot

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



50.9820, 74.2716, 74.6009



79.2451, 92.0389, 99.7287



46.5349, 73.0778, 24.7507



16.6116, 19.5242, 21.1229



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.



50.9820, 74.2716, 74.6009



51.0195, 77.9968, 75.4251



45.8561, 56.3740, 96.4635



16.8183, 18.6865, 20.3278



22.4646, 37.1307, 31.5299



2.0140, 3.2793, 2.9797

Inverse Universe

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



47.8980, 31.5117, 27.6052



47.4839, 28.2369, 21.0005



50.2004, 39.4590, 18.0684



16.6606, 16.5471, 17.9594



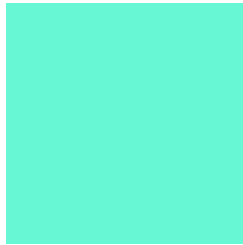
20.7457, 10.6417, 3.3695



1.8619, 0.9507, 0.4989

Previews

White Background



This preview shows how the XYZ color 50.9799, 74.2687, 74.5992 looks on a white background.

Color Contrast Check

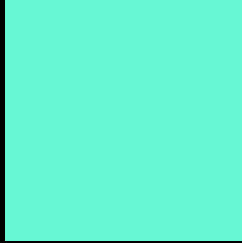
Large Text (above 18pt) WCAG AA × Fail

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 50.9799, 74.2687, 74.5992 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

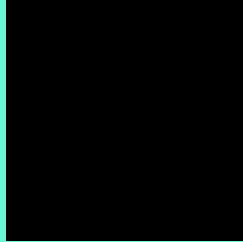
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.9799, 74.2687, 74.5992

Background



This preview shows how black text looks on a background with the XYZ color 50.9799, 74.2687, 74.5992.



This preview shows how white text looks on a background with the XYZ color 50.9799, 74.2687,

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

50.9799, 74.2687, 74.5992

Protanopia

69.1203, 72.8253, 64.4465

Deuteranopia

74.5269, 73.0013, 77.8728



Tritanopia

59.4398, 73.9445, 105.7477

Trichromacy



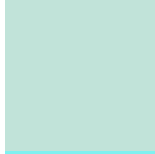
Original Color

50.9799, 74.2687, 74.5992



Protanomaly

59.2035, 71.2675, 67.7624



Deuteranomaly

61.9858, 71.2854, 76.1381



Tritanomaly

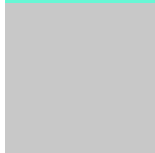
55.9359, 73.7139, 93.7181

Monochromacy



Original Color

50.9799, 74.2687, 74.5992



Achromatopsia

54.8990, 57.7580, 62.8985



Achromatomaly

51.3493, 62.0328, 67.0247

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.9799, 74.2687, 74.5992 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(104, 247, 213)` looks like.

```
.text, #text, p{  
    color:rgb(104, 247, 213)  
}
```

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(104, 247, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 247, 213) }
```

Border

The CSS property to change the border of an element to XYZ 50.9799, 74.2687, 74.5992 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(104, 247, 213) }
```


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

```
.border{ border-color:rgb(104, 247, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 247, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 247, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 247, 213);  
box-shadow:4px 4px 4px 4px rgb(104, 247,  
213) }
```

Background

The CSS property to change the background color of an element to XYZ 50.9799, 74.2687, 74.5992 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 247, 213) }
```

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

```
.background{ background-color: rgb(104,  
247, 213) }
```

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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