

Converting Colors

XYZ(52.7499, 70.1746,
100.3874)

Have a look what the booklet for
XYZ(52.7499, 70.1746, 100.3874)
contains.

XYZ(52.7499, 70.1746, 100.3874)	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(52.7499, 70.1746,
100.3874)**

Conversions

Conversions Part 1

Format	Color
Hex	65EDF9
RGB	101, 237, 249
RGB Percent	40%, 93%, 98%
CMY	0.6039, 0.0706, 0.0235
CMYK	0.59, 0.05, 0.00, 0.02
HSL	185°, 93%, 69%
HSV	185°, 59%, 98%
XYZ	52.7499, 70.1746, 100.3874
YIQ	197.7040, -84.9080, -25.1000

Conversions

Conversions Part 2

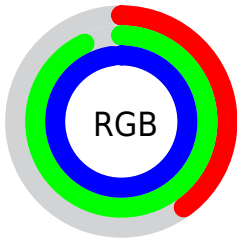
Format	Color
R _Y B	101, 172, 249
Decimal	6680057
CIE Lab	87.08, -33.43, -16.93
CIE LCh	87, 37.468, 206.860
Yxy	70.1746, 0.2362, 0.3142
Android (android.graphics.Color)	4284870137 (0xFF65EDF9)
YUV	197.7040, 25.2889, -84.8094
Hunter-Lab	83.7703, -34.1971, -12.4119

Details

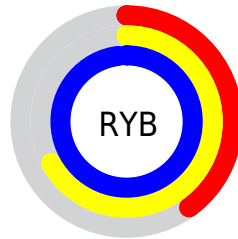
The XYZ color **52.7499, 70.1746, 100.3874** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **47.3226, 32.8913, 16.1684**, and the grayscale version is **53.3875, 56.1678, 61.1667**.

A 20% lighter version of the original color is **69.3270, 86.7393, 107.6962**, and **26.1495, 36.8980, 56.1959** is the 20% darker color. If you saturate the color by 10%, you get **49.7922, 67.7886, 100.0840**, and if you desaturate by 10%, it is **56.5628, 73.0143, 100.7358**.

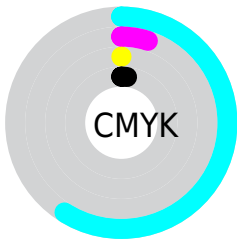
Distribution



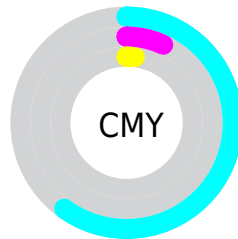
- Red (40%)
- Green (93%)
- Blue (98%)



- Red (40%)
- Yellow (67%)
- Blue (98%)



- Cyan (59%)
- Magenta (5%)
- Yellow (0%)
- Black (2%)



- Cyan (60%)
- Magenta (7%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 52.7499, 70.1746, 100.3874 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 52.7499, 70.1746, 100.3874 by changing the saturation by 10% instead.

52.7499, 70.1746,
100.3874

52.7499, 70.1746,
100.3874

387.6014,
461.1628, 582.6913

37.8298, 51.6689,
76.0054

93.4039, 119.4577,
163.7460

26.0273, 36.7412,
55.9303

119.8686,
151.0039, 203.5597

16.9768, 25.0072,
39.7434

150.9122,
187.6657, 249.3543

10.3132, 16.0824,
27.0263

186.9001,
229.8275, 301.5485

5.6709, 9.5825,
17.3603

228.1976,
277.8738, 360.5608

2.6848, 5.1230,
10.3271

275.1701,

0.9894, 2.3196,

332.1888, 426.8096

5.5079

328.1829,
393.1570, 500.7136

■ 0.0000, 0.7841,
2.4843

■ 0.0000, 0.0000,
0.8318

■ 52.7499, 70.1746,
100.3874

■ 52.7499, 70.1746,
100.3874

■ 49.7922, 67.7886,
100.0840

■ 56.5628, 73.0143,
100.7358

■ 47.6042, 65.8076,
99.8170

■ 61.2935, 76.3355,
101.1275

■ 46.0943, 64.1858,
99.5835

■ 67.0062, 80.1727,
101.5671

■ 45.1164, 62.8480,
99.3768

■ 73.7575, 84.5552,
102.0572

45.0672, 62.7758,
99.3655

81.5997, 89.5099,
102.6002

90.5816, 95.0621,
103.1985

92.8783, 97.1780,
103.4859

93.5127, 98.4469,
103.6973

94.0991, 99.6197,
103.8928

Harmonies

Analogous

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



51.2296, 70.1746, 73.7918



52.7499, 70.1746, 100.3874



57.8931, 70.1746, 124.4350

Triad

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



52.7499, 70.1746, 100.3874



81.8487, 70.1746, 105.9879



67.6273, 70.1746, 37.6008

Complementary

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



52.7499, 70.1746, 100.3874



47.3226, 32.8913, 16.1684

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.



76.3551, 70.1746, 42.6671



52.7499, 70.1746, 100.3874



85.0053, 70.1746, 79.0858

Square

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



52.7499, 70.1746, 100.3874



74.6166, 70.1746, 128.1349



82.9126, 70.1746, 56.5883



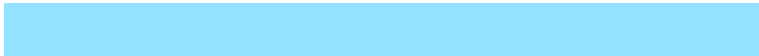
59.3620, 70.1746, 40.8972

Rectangle

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



52.7499, 70.1746, 100.3874



62.9361, 70.1746, 133.7893



82.9126, 70.1746, 56.5883



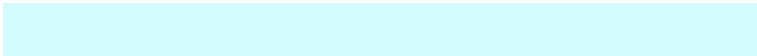
70.6087, 70.1746, 38.3492

Sweetspot

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



52.7521, 70.1772, 100.3891



78.9572, 89.9586, 107.8100



42.1062, 71.6644, 26.6160



16.4206, 18.9480, 23.0418



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.



52.7521, 70.1772, 100.3891



52.1252, 71.1838, 105.6003



35.9470, 36.5671, 94.7874



17.6384, 19.3536, 22.1913



24.1735, 33.7026, 53.2047



2.2735, 3.1906, 4.9392

Inverse Universe

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



59.0085, 35.5635, 83.8779



59.4615, 32.4613, 85.8208



58.7388, 55.7237, 19.9738



17.9288, 17.4989, 21.4806



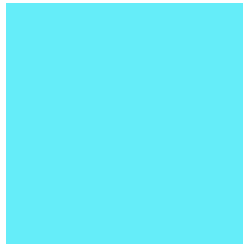
28.4937, 13.8132, 40.9038



2.6565, 1.2863, 3.8803

Previews

White Background



This preview shows how the XYZ color 52.7499, 70.1746, 100.3874 looks on a white background.

Color Contrast Check

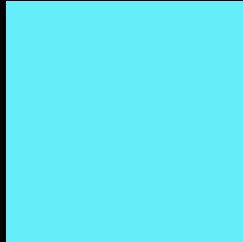
Large Text (above 18pt) WCAG AA × Fail

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 52.7499, 70.1746, 100.3874 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

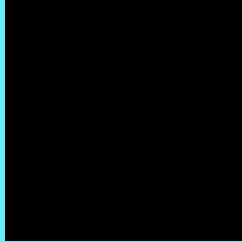
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 52.7499, 70.1746, 100.3874

Background



This preview shows how black text looks on a background with the XYZ color 52.7499, 70.1746, 100.3874.

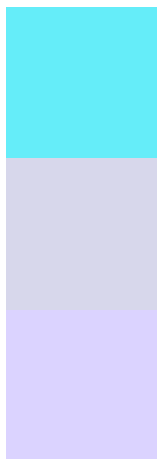


This preview shows how white text looks on a background with the XYZ color 52.7499, 70.1746,

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

52.7499, 70.1746, 100.3874

Protanopia

67.3202, 69.0461, 88.3763

Deuteranopia

70.5577, 68.8686, 104.1819



Tritanopia

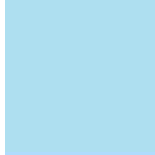
53.7544, 70.1540, 105.3157

Trichromacy



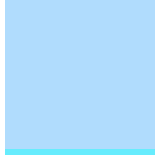
Original Color

52.7499, 70.1746, 100.3874



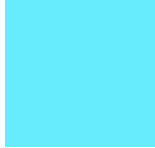
Protanomaly

59.5714, 68.0653, 92.4362



Deuteranomaly

61.2273, 67.5084, 102.7319



Tritanomaly

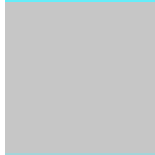
53.3186, 69.9663, 103.6232

Monochromacy



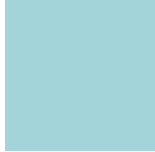
Original Color

52.7499, 70.1746, 100.3874



Achromatopsia

53.6758, 56.4712, 61.4971



Achromatomaly

51.1721, 59.8833, 74.5072

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.7499, 70.1746, 100.3874 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(101, 237, 249)` looks like.

```
.text, #text, p{  
    color:rgb(101, 237, 249)  
}
```

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(101, 237, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 237, 249) }
```

Border

The CSS property to change the border of an element to XYZ 52.7499, 70.1746, 100.3874 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(101, 237, 249) }
```


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

```
.border{ border-color:rgb(101, 237, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 237, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 237, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 237, 249);  
box-shadow:4px 4px 4px 4px rgb(101, 237,  
249) }
```

Background

The CSS property to change the background color of an element to XYZ 52.7499, 70.1746, 100.3874 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 237, 249) }
```

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

```
.background{ background-color: rgb(101,  
237, 249) }
```

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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