

Converting Colors

XYZ(43.6612, 49.7109,
100.0302)

Have a look what the booklet for
XYZ(43.6612, 49.7109, 100.0302)
contains.

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Color

**XYZ(43.7762, 49.8229,
100.2380)**

Conversions

Conversions Part 1

Format	Color
Hex	6DC4FD
RGB	109, 196, 253
RGB Percent	43%, 77%, 99%
CMY	0.5725, 0.2314, 0.0078
CMYK	0.57, 0.23, 0.00, 0.01
HSL	204°, 97%, 71%
HSV	204°, 57%, 99%
XYZ	43.7762, 49.8229, 100.2380
YIQ	176.4850, -70.1490, -0.7170

Conversions

Conversions Part 2

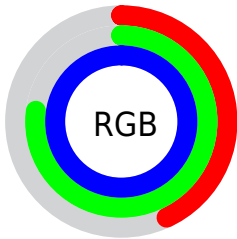
Format	Color
RYB	109, 163, 253
Decimal	7193853
CIELab	75.96, -10.25, -36.01
CIELCh	76, 37.438, 254.113
Yxy	49.8229, 0.2258, 0.2570
Android (android.graphics.Color)	4285383933 (0xFF6DC4FD)
YUV	176.4850, 37.7219, -59.1843
Hunter-Lab	70.5853, -12.8207, -34.7878

Details

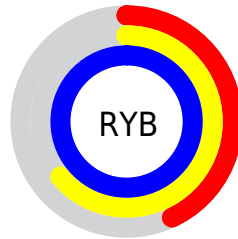
The XYZ color **43.7762, 49.8229, 100.2380** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **56.9063, 49.2615, 20.9791**, and the grayscale version is **41.3570, 43.5108, 47.3832**.

A 20% lighter version of the original color is **69.5375, 85.9056, 107.5242**, and **20.4361, 23.7436, 55.7304** is the 20% darker color. If you saturate the color by 10%, you get **38.9162, 44.0760, 99.3859**, and if you desaturate by 10%, it is **49.6859, 56.3366, 101.1848**.

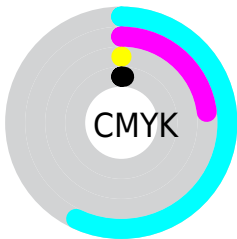
Distribution



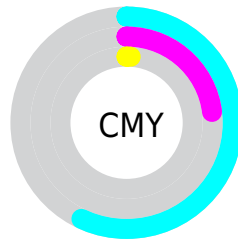
- Red (43%)
- Green (77%)
- Blue (99%)



- Red (43%)
- Yellow (64%)
- Blue (99%)



- Cyan (57%)
- Magenta (23%)
- Yellow (0%)
- Black (1%)



- Cyan (57%)
- Magenta (23%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 43.7762, 49.8229, 100.2380 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 43.7762, 49.8229, 100.2380 by changing the saturation by 10% instead.

■ 43.7762, 49.8229,
100.2380

■ 43.7762, 49.8229,
100.2380

352.6619,
385.9730, 582.2086

■ 30.6918, 35.2727,
75.8813

■ 80.1293, 89.9124,
163.5389

■ 20.5149, 23.8730,
55.8291

■ 104.1287,
116.2205, 203.3203

■ 12.8803, 15.2394,
39.6629

■ 132.4971,
147.2167, 249.0803

■ 7.4226, 8.9876,
26.9640

165.5999,
183.2854, 301.2374

■ 3.7764, 4.7331,
17.3140

203.8024,
224.8110, 360.2103

■ 1.5765, 2.0915,
10.2943

247.4700,

■ 0.3770, 0.6599,

272.1779, 426.4174

5.4864

296.9680,
325.7704, 500.2774

■ 0.0000, 0.0000,
2.4717

■ 0.0000, 0.0000,
0.8251

■ 43.7762, 49.8229,
100.2380

■ 43.7762, 49.8229,
100.2380

■ 38.9162, 44.0760,
99.3859

■ 49.6859, 56.3366,
101.1848

■ 35.0186, 39.0439,
98.6200

■ 56.7128, 63.6534,
102.2267

■ 31.9891, 34.6744,
97.9362

■ 64.9242, 71.8130,
103.3689

■ 29.7066, 30.9004,
97.3281

■ 74.3805, 80.8505,
104.6149

■ 29.0971, 29.8265,
97.1529

■ 85.1376, 90.7987,
105.9681

94.7298, 99.8719,
107.2138

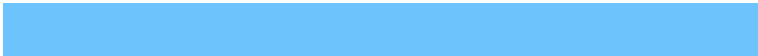
Harmonies

Analogous

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



38.3600, 49.8229, 85.6345



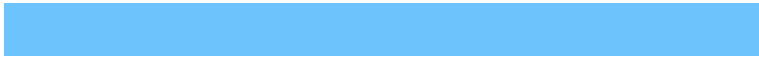
43.7762, 49.8229, 100.2380



50.7028, 49.8229, 100.7026

Triad

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



43.7762, 49.8229, 100.2380



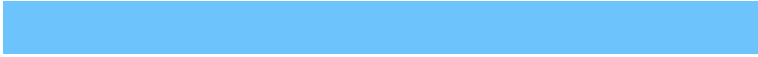
61.5965, 49.8229, 45.4079



38.6159, 49.8229, 31.0715

Complementary

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



43.7762, 49.8229, 100.2380



56.9063, 49.2615, 20.9791

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.



44.1582, 49.8229, 24.8633



43.7762, 49.8229, 100.2380



57.6569, 49.8229, 31.6555

Square

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



43.7762, 49.8229, 100.2380



61.4684, 49.8229, 65.4628



51.1241, 49.8229, 25.0469



35.5866, 49.8229, 44.3944

Rectangle

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



43.7762, 49.8229, 100.2380



55.2859, 49.8229, 92.6898



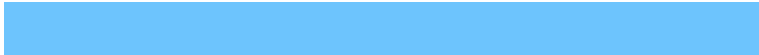
51.1241, 49.8229, 25.0469



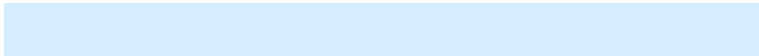
40.2216, 49.8229, 28.2472

Sweetspot

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



43.7779, 49.8247, 100.2392



75.6287, 82.2213, 106.4920



48.1525, 76.1907, 47.3874



15.7516, 17.1876, 22.7373



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.



43.7779, 49.8247, 100.2392



39.1302, 44.2664, 101.0896



31.4735, 25.2158, 96.1377



17.9161, 19.2039, 23.0124



15.6247, 16.1590, 51.7301



1.6280, 1.7867, 5.0723

Inverse Universe

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



55.9419, 35.8073, 56.1893



53.1287, 30.7950, 49.8001



73.3227, 82.0943, 26.4513



18.4703, 18.1714, 21.0938



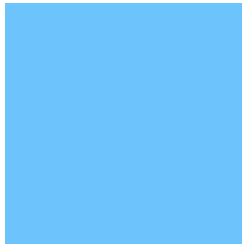
24.6748, 12.3592, 17.4699



2.4564, 1.2249, 1.9846

Previews

White Background



This preview shows how the XYZ color 43.7762, 49.8229, 100.2380 looks on a white background.

Color Contrast Check

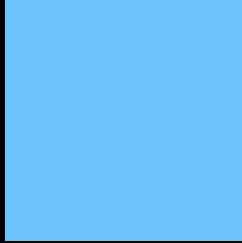
Large Text (above 18pt) WCAG AA × Fail

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 43.7762, 49.8229, 100.2380 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

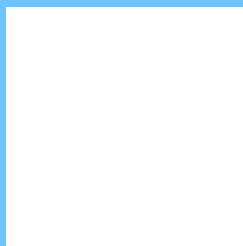
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 43.7762, 49.8229, 100.2380

Background



This preview shows how black text looks on a background with the XYZ color 43.7762, 49.8229, 100.2380.

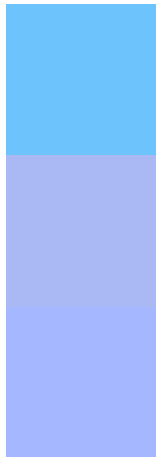


This preview shows how white text looks on a background with the XYZ color 43.7762, 49.8229,

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

43.7762, 49.8229, 100.2380

Protanopia

50.0472, 49.3587, 92.4774

Deuteranopia

50.7075, 49.5003, 101.4897



Tritanopia

38.6260, 49.7884, 74.5922

Trichromacy



Original Color

43.7762, 49.8229, 100.2380

Protanomaly

46.9845, 48.9777, 94.9730

Deuteranomaly

47.5497, 49.1419, 100.7451

Tritanomaly

40.3336, 49.7874, 83.0854

Monochromacy



Original Color

43.7762, 49.8229, 100.2380

Achromatopsia

41.2663, 43.4154, 47.2793

Achromatomaly

40.7815, 44.9020, 63.6443

CSS Examples

Text

The CSS property to change the color of the text to XYZ 43.7762, 49.8229, 100.2380 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(109, 196, 253)` looks like.

```
.text, #text, p{  
    color:rgb(109, 196, 253)  
}
```

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(109, 196, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 196, 253) }
```

Border

The CSS property to change the border of an element to XYZ 43.7762, 49.8229, 100.2380 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(109, 196, 253) }
```


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

```
.border{ border-color:rgb(109, 196, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 196, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 196, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 196, 253);  
box-shadow:4px 4px 4px 4px rgb(109, 196,  
253) }
```

Background

The CSS property to change the background color of an element to XYZ 43.7762, 49.8229, 100.2380 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 196, 253) }
```

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

```
.background{ background-color: rgb(109,  
196, 253) }
```

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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