

Converting Colors

XYZ(43.6380, 50.2617,
102.0093)

Have a look what the booklet for
XYZ(43.6380, 50.2617, 102.0093)
contains.

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Color

**XYZ(43.7236, 50.4329,
102.0378)**

Conversions

Conversions Part 1

Format	Color
Hex	66C6FF
RGB	102, 198, 255
RGB Percent	40%, 78%, 100%
CMY	0.6000, 0.2235, 0.0000
CMYK	0.60, 0.22, 0.00, 0.00
HSL	202°, 100%, 70%
HSV	202°, 60%, 100%
XYZ	43.7236, 50.4329, 102.0378
YIQ	175.7940, -75.5130, -2.6250

Conversions

Conversions Part 2

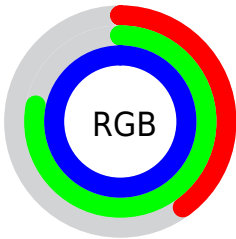
Format	Color
RYB	102, 161, 255
Decimal	6735615
CIELab	76.33, -12.01, -36.52
CIElCh	76, 38.446, 251.790
Yxy	50.4329, 0.2229, 0.2571
Android (android.graphics.Color)	4284925695 (0xFF66C6FF)
YUV	175.7940, 39.0486, -64.7173
Hunter-Lab	71.0161, -14.3784, -35.4781

Details

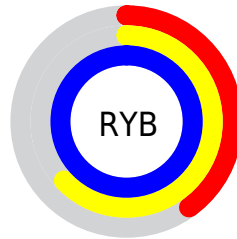
The XYZ color **43.7236, 50.4329, 102.0378** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **56.0379, 47.0178, 18.6944**, and the grayscale version is **40.9927, 43.1276, 46.9659**.

A 20% lighter version of the original color is **69.1198, 86.6325, 107.6865**, and **20.4349, 24.1622, 57.0128** is the 20% darker color. If you saturate the color by 10%, you get **39.1618, 44.9589, 101.2216**, and if you desaturate by 10%, it is **49.3132, 56.6408, 102.9414**.

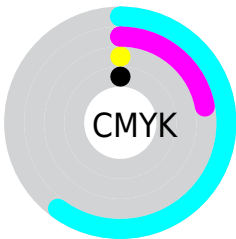
Distribution



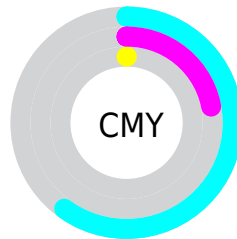
- Red (40%)
- Green (78%)
- Blue (100%)



- Red (40%)
- Yellow (63%)
- Blue (100%)



- Cyan (60%)
- Magenta (22%)
- Yellow (0%)
- Black (0%)



- Cyan (60%)
- Magenta (22%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 43.7236, 50.4329, 102.0378 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 43.7236, 50.4329, 102.0378 by changing the saturation by 10% instead.

■ 43.7236, 50.4329,
102.0378

■ 43.7236, 50.4329,
102.0378

352.4505,
388.3564, 588.0089

■ 30.6502, 35.7575,
77.3771

■ 80.0506, 90.8160,
166.0310

■ 20.4832, 24.2470,
57.0490

■ 104.0349,
117.2924, 206.2007

■ 12.8571, 15.5169,
40.6350

■ 132.3870,
148.4713, 252.3770

■ 7.4065, 9.1830,
27.7164

165.4721,
184.7370, 304.9787

■ 3.7662, 4.8607,
17.8748

203.6557,
226.4740, 364.4241

■ 1.5707, 2.1658,
10.6917

247.3030,

■ 0.3732, 0.7012,

274.0666, 431.1320

5.7483

296.7795,
327.8993, 505.5207

■ 0.0000, 0.0000,
2.6264

■ 0.0000, 0.0000,
0.9060

■ 43.7236, 50.4329,
102.0378

■ 43.7236, 50.4329,
102.0378

■ 39.1618, 44.9589,
101.2216

■ 49.3132, 56.6408,
102.9414

■ 35.5363, 40.1652,
100.4874

■ 56.0021, 63.6203,
103.9361

■ 32.7452, 35.9964,
99.8299

■ 63.8603, 71.4119,
105.0258

■ 30.6213, 32.3624,
99.2404

■ 72.9505, 80.0512,
106.2143

■ 30.6206, 32.3613,
99.2402

■ 83.3305, 89.5715,
107.5048

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



38.3056, 50.4329, 85.9214



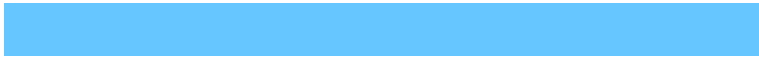
43.7236, 50.4329, 102.0378



50.8298, 50.4329, 103.7906

Triad

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



43.7236, 50.4329, 102.0378



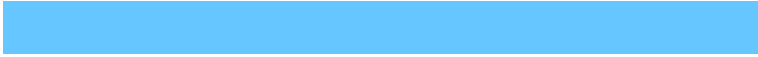
62.8600, 50.4329, 47.1782



39.2606, 50.4329, 30.2704

Complementary

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



43.7236, 50.4329, 102.0378



56.0379, 47.0178, 18.6944

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.



45.1521, 50.4329, 24.4490



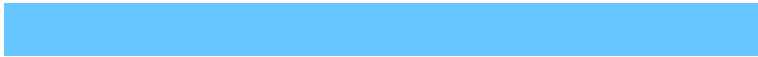
43.7236, 50.4329, 102.0378



59.0563, 50.4329, 32.4381

Square

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



43.7236, 50.4329, 102.0378



62.3788, 50.4329, 68.3073



52.4084, 50.4329, 25.1275



35.9129, 50.4329, 43.3950

Rectangle

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



43.7236, 50.4329, 102.0378



55.6320, 50.4329, 96.1456



52.4084, 50.4329, 25.1275



40.9828, 50.4329, 27.5632

Sweetspot

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



43.7251, 50.4346, 102.0380



74.9182, 81.8806, 106.4637



47.4211, 76.8175, 44.7233



15.4254, 16.9577, 22.7101



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.



43.7251, 50.4346, 102.0380



38.3634, 43.9456, 101.0681



30.5401, 24.0646, 97.6430



17.9528, 19.2772, 23.0246



16.1479, 17.2054, 51.9045



1.6771, 1.8849, 5.0887

Inverse Universe

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



56.1856, 34.8418, 57.1915



52.4455, 29.3882, 49.6974



73.2330, 81.4080, 24.4261



18.4888, 18.1788, 21.1913



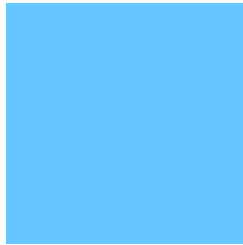
24.9389, 12.4649, 18.8606



2.4811, 1.2348, 2.1150

Previews

White Background



This preview shows how the XYZ color 43.7236, 50.4329, 102.0378 looks on a white background.

Color Contrast Check

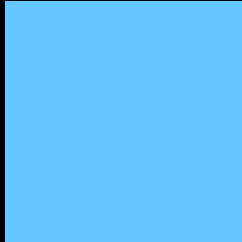
Large Text (above 18pt) WCAG AA × Fail

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 43.7236, 50.4329, 102.0378 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

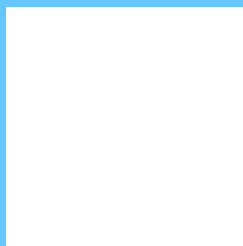
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 43.7236, 50.4329, 102.0378

Background



This preview shows how black text looks on a background with the XYZ color 43.7236, 50.4329, 102.0378.



This preview shows how white text looks on a background with the XYZ color 43.7236, 50.4329,

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

43.7236, 50.4329, 102.0378

Protanopia

50.6250, 49.9484, 93.3590

Deuteranopia

51.1248, 50.0249, 101.5689



Tritanopia

38.5745, 50.4324, 76.1080

Trichromacy



Original Color

43.7236, 50.4329, 102.0378

Protanomaly

47.3664, 49.7775, 96.7341

Deuteranomaly

47.7911, 49.8866, 101.7179

Tritanomaly

40.2421, 50.3996, 84.6979

Monochromacy



Original Color

43.7236, 50.4329, 102.0378

Achromatopsia

41.2663, 43.4154, 47.2793

Achromatomaly

40.5544, 45.0783, 64.3212

CSS Examples

Text

The CSS property to change the color of the text to XYZ 43.7236, 50.4329, 102.0378 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(102, 198, 255)` looks like.

```
.text, #text, p{  
    color:rgb(102, 198, 255)  
}
```

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(102, 198, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 198, 255) }
```

Border

The CSS property to change the border of an element to XYZ 43.7236, 50.4329, 102.0378 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(102, 198, 255) }
```


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

```
.border{ border-color:rgb(102, 198, 255) }
```

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

Here you see how a box with a 4 pixel rgb(102, 198, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 198, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 198, 255);  
box-shadow:4px 4px 4px 4px rgb(102, 198,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 43.7236, 50.4329, 102.0378 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 198, 255) }
```

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

```
.background{ background-color: rgb(102,  
198, 255) }
```

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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