

Converting Colors

XYZ(42.7797, 48.5428,
101.7227)

Have a look what the booklet for
XYZ(42.7797, 48.5428, 101.7227)
contains.

XYZ(42.8213, 48.6284, 101.7370)	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(42.8213, 48.6284,
101.7370)**

Conversions

Conversions Part 1

Format	Color
Hex	66C2FF
RGB	102, 194, 255
RGB Percent	40%, 76%, 100%
CMY	0.6000, 0.2392, 0.0000
CMYK	0.60, 0.24, 0.00, 0.00
HSL	204°, 100%, 70%
HSV	204°, 60%, 100%
XYZ	42.8213, 48.6284, 101.7370
YIQ	173.4460, -74.4130, -0.5330

Conversions

Conversions Part 2

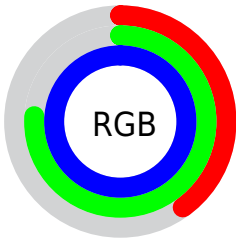
Format	Color
RYB	102, 159, 255
Decimal	6734591
CIELab	75.22, -9.88, -38.25
CIELCh	75, 39.506, 255.512
Yxy	48.6284, 0.2217, 0.2517
Android (android.graphics.Color)	4284924671 (0xFF66C2FF)
YUV	173.4460, 40.2061, -62.6581
Hunter-Lab	69.7341, -12.4239, -37.6860

Details

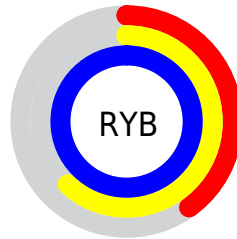
The XYZ color **42.8213, 48.6284, 101.7370** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **56.7368, 48.4157, 18.9273**, and the grayscale version is **39.7781, 41.8497, 45.5743**.

A 20% lighter version of the original color is **67.5454, 83.4837, 107.1617**, and **20.0064, 23.2757, 56.8643** is the 20% darker color. If you saturate the color by 10%, you get **38.1775, 42.9903, 100.8935**, and if you desaturate by 10%, it is **48.5115, 55.0375, 102.6742**.

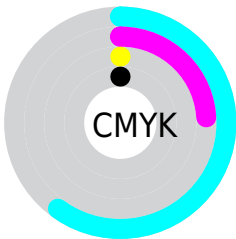
Distribution



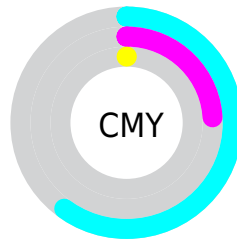
- Red (40%)
- Green (76%)
- Blue (100%)



- Red (40%)
- Yellow (62%)
- Blue (100%)



- Cyan (60%)
- Magenta (24%)
- Yellow (0%)
- Black (0%)



- Cyan (60%)
- Magenta (24%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.8213, 48.6284, 101.7370 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 42.8213, 48.6284, 101.7370 by changing the saturation by 10% instead.

■ 42.8213, 48.6284,
101.7370

■ 42.8213, 48.6284,
101.7370

348.8103,
381.2776, 587.0416

■ 29.9388, 34.3248,
77.1270

■ 78.6985, 88.1393,
165.6148

■ 19.9400, 23.1432,
56.8449

■ 102.4240,
114.1154, 205.7198

■ 12.4595, 14.6993,
40.4722

■ 130.4945,
144.7511, 251.8267

■ 7.1318, 8.6086,
27.5903

163.2754,
180.4308, 304.3543

■ 3.5917, 4.4868,
17.7807

201.1321,
221.5389, 363.7211

■ 1.4739, 1.9494,
10.6249

244.4299,

■ 0.3079, 0.5778,

268.4598, 430.3455

5.7042

293.5342,
321.5779, 504.6462

■ 0.0000, 0.0000,
2.6002

■ 0.0000, 0.0000,
0.8926

■ 42.8213, 48.6284,
101.7370

■ 42.8213, 48.6284,
101.7370

■ 38.1775, 42.9903,
100.8935

■ 48.5115, 55.0375,
102.6742

■ 34.4879, 38.0685,
100.1380

■ 55.3202, 62.2566,
103.7088

■ 31.6502, 33.8064,
99.4649

■ 63.3180, 70.3273,
104.8451

■ 29.4964, 30.1126,
98.8654

■ 72.5679, 79.2862,
106.0868

■ 29.4957, 30.1115,
98.8652

■ 83.1284, 89.1676,
107.4375

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.



37.1281, 48.6284, 86.8189



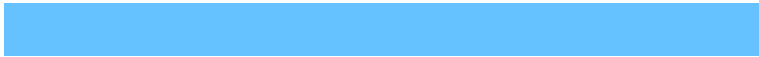
42.8213, 48.6284, 101.7370



50.0470, 48.6284, 101.4518

Triad

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



42.8213, 48.6284, 101.7370



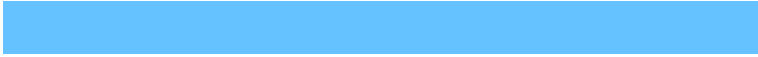
60.9861, 48.6284, 42.9776



36.9761, 48.6284, 29.6205

Complementary

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



42.8213, 48.6284, 101.7370



56.7368, 48.4157, 18.9273

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.



42.5930, 48.6284, 23.0560



42.8213, 48.6284, 101.7370



56.6864, 48.6284, 29.2792

Square

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



42.8213, 48.6284, 101.7370



61.0637, 48.6284, 63.5704



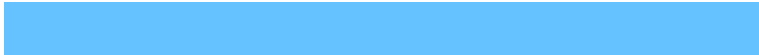
49.7936, 48.6284, 22.9501



34.0004, 48.6284, 43.5802

Rectangle

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



42.8213, 48.6284, 101.7370



54.7942, 48.6284, 92.5202



49.7936, 48.6284, 22.9501



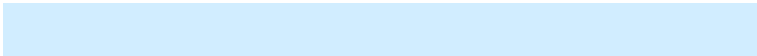
38.5901, 48.6284, 26.6577

Sweetspot

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



42.8228, 48.6301, 101.7373



74.5702, 81.1846, 106.3477



47.6430, 76.9063, 45.8923



15.3403, 16.7873, 22.6817



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.



42.8228, 48.6301, 101.7373



37.3649, 41.9486, 100.7353



30.2297, 23.4439, 97.5396



17.9116, 19.1949, 23.0109



15.5622, 16.0339, 51.7092



1.6221, 1.7750, 5.0704

Inverse Universe

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



55.7301, 34.6595, 54.7932



51.9415, 29.1866, 47.0433



73.9666, 82.8753, 24.6706



18.4680, 18.1705, 21.0819



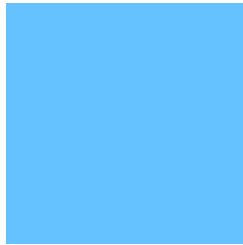
24.6433, 12.3466, 17.3038



2.4534, 1.2237, 1.9689

Previews

White Background



This preview shows how the XYZ color 42.8213, 48.6284, 101.7370 looks on a white background.

Color Contrast Check

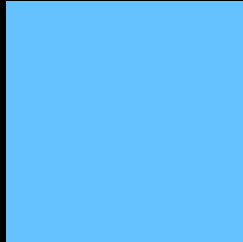
Large Text (above 18pt) WCAG AA × Fail

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 42.8213, 48.6284, 101.7370 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

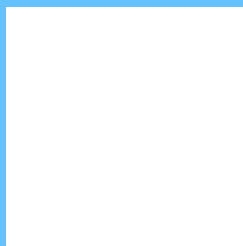
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.8213, 48.6284, 101.7370

Background



This preview shows how black text looks on a background with the XYZ color 42.8213, 48.6284, 101.7370.

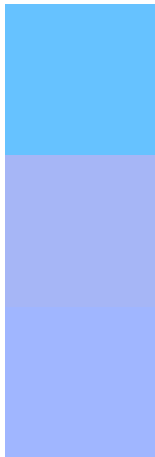


This preview shows how white text looks on a background with the XYZ color 42.8213, 48.6284,

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

42.8213, 48.6284, 101.7370

Protanopia

49.0884, 48.2167, 93.9083

Deuteranopia

49.2752, 48.1495, 101.3044



Tritanopia

37.1573, 48.7143, 73.0901

Trichromacy



Original Color

42.8213, 48.6284, 101.7370

Protanomaly

45.9855, 47.7970, 96.4246

Deuteranomaly

46.2564, 47.8268, 101.4013

Tritanomaly

38.9323, 48.3818, 82.8880

Monochromacy



Original Color

42.8213, 48.6284, 101.7370

Achromatopsia

39.7200, 41.7885, 45.5077

Achromatomaly

39.3360, 43.5626, 62.8351

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.8213, 48.6284, 101.7370 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, 194, 255)` looks like.

```
.text, #text, p{  
    color:rgb(102, 194, 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, 194, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 194, 255) }
```

Border

The CSS property to change the border of an element to XYZ 42.8213, 48.6284, 101.7370 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, 194, 255) }
```


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

```
.border{ border-color:rgb(102, 194, 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, 194, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 194, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 194, 255);  
box-shadow:4px 4px 4px 4px rgb(102, 194,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 42.8213, 48.6284, 101.7370 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 194, 255) }
```

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

```
.background{ background-color: rgb(102,  
194, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor