

Converting Colors

XYZ(41.2786, 48.2298,
101.7414)

Have a look what the booklet for
XYZ(41.2786, 48.2298, 101.7414)
contains.

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Color

**XYZ(41.2213, 48.1350,
101.7261)**

Conversions

Conversions Part 1

Format	Color
Hex	54C3FF
RGB	84, 195, 255
RGB Percent	33%, 76%, 100%
CMY	0.6705, 0.2353, 0.0000
CMYK	0.67, 0.24, 0.00, 0.00
HSL	201°, 100%, 66%
HSV	201°, 67%, 100%
XYZ	41.2213, 48.1350, 101.7261
YIQ	168.6510, -85.4160, -4.8720

Conversions

Conversions Part 2

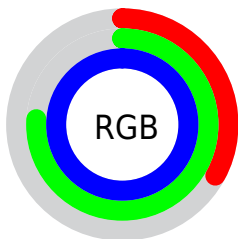
Format	Color
R _Y B	84, 151, 255
Decimal	5555199
CIE Lab	74.91, -13.38, -38.78
CIE LCh	75, 41.022, 250.958
Yxy	48.1350, 0.2157, 0.2519
Android (android.graphics.Color)	4283745279 (0xFF54C3FF)
YUV	168.6510, 42.5701, -74.2389
Hunter-Lab	69.3794, -15.3594, -38.3672

Details

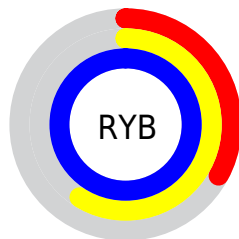
The XYZ color **41.2213, 48.1350, 101.7261** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light muted cyan. A complement of this color would be **52.8153, 41.8495, 13.6839**, and the grayscale version is **37.3687, 39.3148, 42.8138**.

A 20% lighter version of the original color is **65.4381, 83.3248, 107.2421**, and **19.7179, 23.1270, 56.8508** is the 20% darker color. If you saturate the color by 10%, you get **37.3952, 43.2758, 100.9899**, and if you desaturate by 10%, it is **46.0007, 53.6657, 102.5418**.

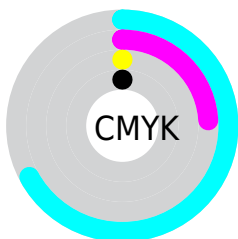
Distribution



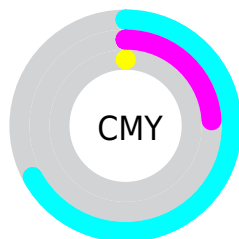
- Red (33%)
- Green (76%)
- Blue (100%)



- Red (33%)
- Yellow (59%)
- Blue (100%)



- Cyan (67%)
- Magenta (24%)
- Yellow (0%)
- Black (0%)



- Cyan (67%)
- Magenta (24%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.2213, 48.1350, 101.7261 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 41.2213, 48.1350, 101.7261 by changing the saturation by 10% instead.

41.2213, 48.1350,
101.7261

41.2213, 48.1350,
101.7261

342.2915,
379.3270, 587.0065

28.6805, 33.9338,
77.1180

76.2923, 87.4054,
165.5997

18.9823, 22.8428,
56.8376

99.5532, 113.2433,
205.7023

11.7614, 14.4774,
40.4663

127.1182,
143.7290, 251.8068

6.6525, 8.4535,
27.5858

159.3526,
179.2468, 304.3317

3.2901, 4.3865,
17.7773

196.6217,
220.1811, 363.6956

1.3090, 1.8920,
10.6225

239.2910,

0.1899, 0.5436,

266.9163, 430.3170

5.7026

287.7258,
319.8368, 504.6145

■ 0.0000, 0.0000,
2.5993

■ 0.0000, 0.0000,
0.8921

■ 41.2213, 48.1350,
101.7261

■ 41.2213, 48.1350,
101.7261

■ 37.3952, 43.2758,
100.9899

■ 46.0007, 53.6657,
102.5418

■ 34.4209, 39.0302,
100.3271

■ 51.8120, 59.9088,
103.4405

■ 32.1761, 35.3327,
99.7318

■ 58.7298, 66.9067,
104.4266

■ 31.5999, 34.3197,
99.5666

■ 66.8204, 74.6964,
105.5038

■ 76.1444, 83.3119,
106.6753

■ 86.7581, 92.7851,
107.9444

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.



35.7352, 48.1350, 84.2772



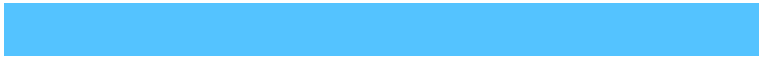
41.2213, 48.1350, 101.7261



48.5369, 48.1350, 104.0803

Triad

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



41.2213, 48.1350, 101.7261



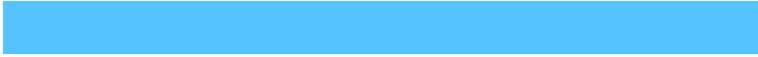
61.3568, 48.1350, 44.9713



36.9638, 48.1350, 27.0720

Complementary

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



41.2213, 48.1350, 101.7261



52.8153, 41.8495, 13.6839

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.



43.0736, 48.1350, 21.5024



41.2213, 48.1350, 101.7261



57.4822, 48.1350, 29.7996

Square

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



41.2213, 48.1350, 101.7261



60.7215, 48.1350, 67.0155



50.6007, 48.1350, 22.3421



33.4684, 48.1350, 40.0989

Rectangle

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



41.2213, 48.1350, 101.7261



53.5473, 48.1350, 96.2112



50.6007, 48.1350, 22.3421



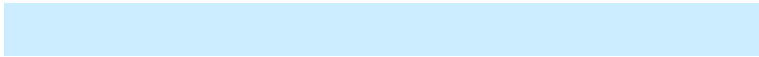
38.7505, 48.1350, 24.4500

Sweetspot

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



41.2228, 48.1366, 101.7264



73.2664, 80.6865, 106.3202



44.4403, 75.4146, 38.5426



15.1163, 16.7487, 22.6861



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.



41.2228, 48.1366, 101.7264



36.4353, 41.9640, 100.7873



27.2464, 20.1839, 97.0676



17.9870, 19.3457, 23.0360



16.6571, 18.2238, 52.0742



1.7245, 1.9797, 5.1045

Inverse Universe

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



54.2618, 31.5426, 54.8596



51.0148, 27.0640, 47.5640



70.9574, 78.1337, 19.7313



18.5061, 18.1858, 21.2823



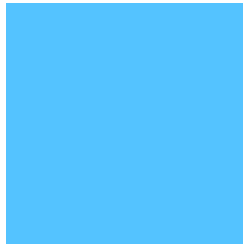
25.1959, 12.5677, 20.2141



2.5051, 1.2444, 2.2410

Previews

White Background



This preview shows how the XYZ color 41.2213, 48.1350, 101.7261 looks on a white background.

Color Contrast Check

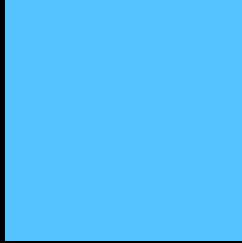
Large Text (above 18pt) WCAG AA × Fail

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 41.2213, 48.1350, 101.7261 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

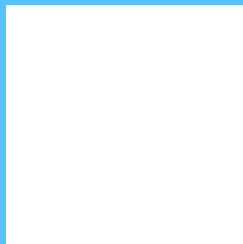
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 41.2213, 48.1350, 101.7261

Background



This preview shows how black text looks on a background with the XYZ color 41.2213, 48.1350, 101.7261.

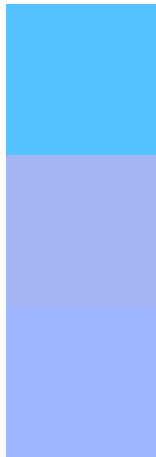


This preview shows how white text looks on a background with the XYZ color 41.2213, 48.1350,

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

41.2213, 48.1350, 101.7261

Protanopia

48.3701, 47.5787, 92.2222

Deuteranopia

48.6744, 47.5368, 101.2179



Tritanopia

35.7620, 48.3271, 73.7729

Trichromacy



Original Color

41.2213, 48.1350, 101.7261

Protanomaly

44.6555, 47.1294, 95.5502

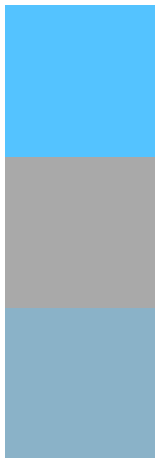
Deuteranomaly

44.9690, 47.1631, 101.3410

Tritanomaly

37.3730, 47.9185, 82.8807

Monochromacy



Original Color

41.2213, 48.1350, 101.7261

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

36.8270, 41.4142, 60.6963

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.2213, 48.1350, 101.7261 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(84, 195, 255)` looks like.

```
.text, #text, p{  
    color:rgb(84, 195, 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(84, 195, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 195, 255) }
```

Border

The CSS property to change the border of an element to XYZ 41.2213, 48.1350, 101.7261 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(84, 195, 255) }
```


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

```
.border{ border-color:rgb(84, 195, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 195, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 195, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 195, 255);  
box-shadow:4px 4px 4px 4px rgb(84, 195,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 41.2213, 48.1350, 101.7261 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 195, 255) }
```

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

```
.background{ background-color: rgb(84, 195,  
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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