

Converting Colors

XYZ(52.1100, 66.1443, 96.4068)

Have a look what the booklet for
XYZ(52.1100, 66.1443, 96.4068)
contains.

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Color

**XYZ(52.1100, 66.1443,
96.4068)**

Conversions

Conversions Part 1

Format	Color
Hex	79E4F5
RGB	121, 228, 245
RGB Percent	47%, 89%, 96%
CMY	0.5255, 0.1059, 0.0392
CMYK	0.51, 0.07, 0.00, 0.04
HSL	188°, 86%, 72%
HSV	188°, 51%, 96%
XYZ	52.1100, 66.1443, 96.4068
YIQ	197.9450, -69.2290, -17.3970

Conversions

Conversions Part 2

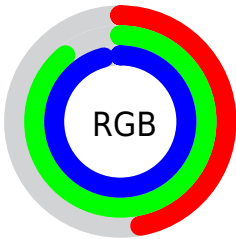
Format	Color
R _Y B	121, 178, 245
Decimal	7988469
CIE Lab	85.07, -26.42, -17.79
CIE LCh	85, 31.851, 213.956
Yxy	66.1443, 0.2428, 0.3081
Android (android.graphics.Color)	4286178549 (0xFF79E4F5)
YUV	197.9450, 23.1981, -67.4808
Hunter-Lab	81.3291, -27.9558, -13.3514

Details

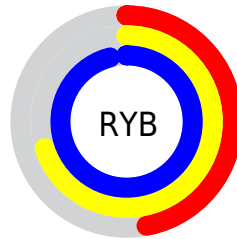
The XYZ color **52.1100, 66.1443, 96.4068** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **50.1973, 38.9714, 22.9676**, and the grayscale version is **53.5387, 56.3268, 61.3399**.

A 20% lighter version of the original color is **72.8661, 88.5638, 107.8618**, and **25.6252, 34.0490, 53.3656** is the 20% darker color. If you saturate the color by 10%, you get **48.1883, 62.7657, 95.9625**, and if you desaturate by 10%, it is **56.9255, 70.0133, 96.9010**.

Distribution



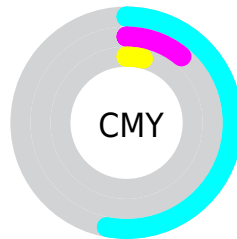
- Red (47%)
- Green (89%)
- Blue (96%)



- Red (47%)
- Yellow (70%)
- Blue (96%)



- Cyan (51%)
- Magenta (7%)
- Yellow (0%)
- Black (4%)



- Cyan (53%)
- Magenta (11%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 52.1100, 66.1443, 96.4068 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 52.1100, 66.1443, 96.4068 by changing the saturation by 10% instead.

52.1100, 66.1443,
96.4068

52.1100, 66.1443,
96.4068

385.1781,
446.8928, 569.7579

37.3174, 48.3896,
72.7031

92.4667, 113.6934,
158.2190

25.6281, 34.1355,
53.2429

118.7615,
144.2566, 197.1645

16.6769, 22.9977,
37.6076

149.6211,
179.8580, 242.0277

10.0982, 14.5918,
25.3788

185.4108,
220.8821, 293.2272

5.5269, 8.5334,
16.1379

226.4960,
267.7132, 351.1814

2.5975, 4.4381,
9.4664

273.2421,

0.9447, 1.9215,

320.7357, 416.3089

4.9457

326.0143,
380.3341, 489.0282

■ 0.0000, 0.5613,
2.1572

■ 0.0000, 0.0000,
0.6495

■ 52.1100, 66.1443,
96.4068

■ 52.1100, 66.1443,
96.4068

■ 48.1883, 62.7657,
95.9625

■ 56.9255, 70.0133,
96.9010

■ 45.0867, 59.8349,
95.5603

■ 62.6890, 74.3963,
97.4432

■ 42.7301, 57.3145,
95.1980

■ 69.4576, 79.3244,
98.0377

■ 41.0260, 55.1567,
94.8714

■ 77.2821, 84.8239,
98.6868

■ 39.8793, 53.3879,
94.5904

■ 86.2098, 90.9194,
99.3928

■ 91.3368, 95.0829,
99.9262

■ 92.3795, 97.1684,
100.2738

■ 93.4409, 99.2912,
100.6276

■ 93.4816, 99.3727,
100.6412

Harmonies

Analogous

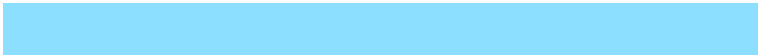
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



50.0907, 66.1443, 74.7789



52.1100, 66.1443, 96.4068



57.0061, 66.1443, 113.6472

Triad

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



52.1100, 66.1443, 96.4068



76.0889, 66.1443, 90.7879



61.9216, 66.1443, 39.3697

Complementary

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



52.1100, 66.1443, 96.4068



50.1973, 38.9714, 22.9676

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.



69.1190, 66.1443, 42.0462



52.1100, 66.1443, 96.4068



77.6524, 66.1443, 69.3296

Square

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



52.1100, 66.1443, 96.4068



70.8891, 66.1443, 109.9942



75.0136, 66.1443, 52.1370



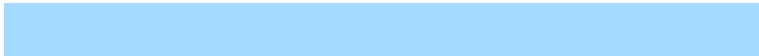
55.4763, 66.1443, 43.9783

Rectangle

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



52.1100, 66.1443, 96.4068



61.4274, 66.1443, 118.8628



75.0136, 66.1443, 52.1370



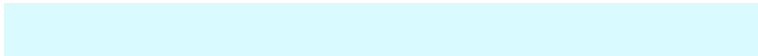
64.3313, 66.1443, 39.4536

Sweetspot

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



52.1120, 66.1468, 96.4084



80.7010, 90.1534, 107.7557



45.0930, 71.1927, 35.2350



16.8885, 19.0256, 23.0321



0.0000, 0.0000, 0.0000



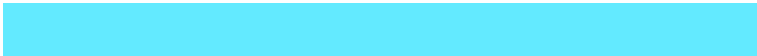
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



52.1120, 66.1468, 96.4084



52.5757, 68.5597, 105.0701



38.0897, 38.1020, 91.7342



16.7917, 18.3476, 21.1990



21.5595, 28.9128, 50.9824



1.9472, 2.6459, 4.4983

Inverse Universe

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



58.4989, 38.6906, 77.7862



60.5494, 36.1911, 81.3927



61.6553, 61.8875, 26.7870



17.1102, 16.7269, 20.3267



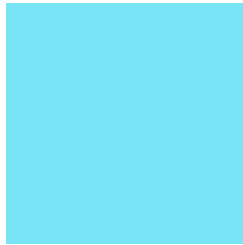
26.6867, 13.0181, 34.6544



2.3719, 1.1547, 3.1849

Previews

White Background



This preview shows how the XYZ color 52.1100, 66.1443, 96.4068 looks on a white background.

Color Contrast Check

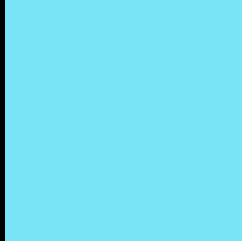
Large Text (above 18pt) WCAG AA × Fail

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 52.1100, 66.1443, 96.4068 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 52.1100, 66.1443, 96.4068

Background



This preview shows how black text looks on a background with the XYZ color 52.1100, 66.1443, 96.4068.

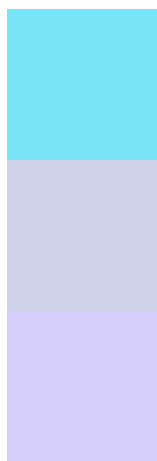


This preview shows how white text looks on a background with the XYZ color 52.1100, 66.1443,

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

52.1100, 66.1443, 96.4068

Protanopia

63.7670, 65.3863, 86.3507

Deuteranopia

66.7672, 65.1909, 99.5066



Tritanopia

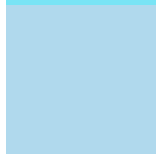
52.2631, 66.2056, 97.2132

Trichromacy



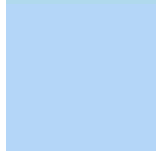
Original Color

52.1100, 66.1443, 96.4068



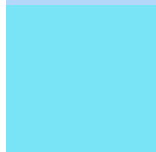
Protanomaly

58.0034, 64.9702, 89.6042



Deuteranomaly

59.8122, 64.5737, 98.1185



Tritanomaly

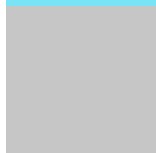
52.2631, 66.2056, 97.2132

Monochromacy



Original Color

52.1100, 66.1443, 96.4068



Achromatopsia

53.6758, 56.4712, 61.4971



Achromatomaly

51.6438, 59.0533, 72.9665

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.1100, 66.1443, 96.4068 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(121, 228, 245)` looks like.

```
.text, #text, p{  
    color:rgb(121, 228, 245)  
}
```

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(121, 228, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 228, 245) }
```

Border

The CSS property to change the border of an element to XYZ 52.1100, 66.1443, 96.4068 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(121, 228, 245) }
```


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

```
.border{ border-color:rgb(121, 228, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 228, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 228, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 228, 245);  
box-shadow:4px 4px 4px 4px rgb(121, 228,  
245) }
```

Background

The CSS property to change the background color of an element to XYZ 52.1100, 66.1443, 96.4068 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 228, 245) }
```

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

```
.background{ background-color: rgb(121,  
228, 245) }
```

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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