

Converting Colors

XYZ(50.4799, 64.0658,
103.7616)

Have a look what the booklet for
XYZ(50.4799, 64.0658, 103.7616)
contains.

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Color

**XYZ(50.2941, 63.8310,
103.4358)**

Conversions

Conversions Part 1

Format	Color
Hex	66E1FE
RGB	102, 225, 254
RGB Percent	40%, 88%, 100%
CMY	0.6000, 0.1176, 0.0039
CMYK	0.60, 0.11, 0.00, 0.00
HSL	191°, 99%, 70%
HSV	191°, 60%, 100%
XYZ	50.2941, 63.8310, 103.4358
YIQ	191.5290, -82.6170, -17.0570

Conversions

Conversions Part 2

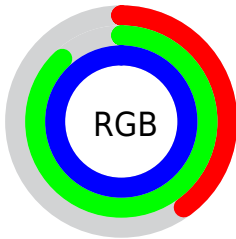
Format	Color
R _Y B	102, 170, 254
Decimal	6742526
CIE Lab	83.88, -26.09, -24.40
CIE LCh	84, 35.725, 223.088
Yxy	63.8310, 0.2312, 0.2934
Android (android.graphics.Color)	4284932606 (0xFF66E1FE)
YUV	191.5290, 30.7982, -78.5169
Hunter-Lab	79.8943, -27.4479, -20.8343

Details

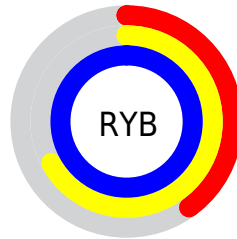
The XYZ color **50.2941, 63.8310, 103.4358** is a light color, and the websafe version is hex **33CCFF**. A complement of this color would be **51.3893, 38.2647, 17.2497**, and the grayscale version is **49.6915, 52.2794, 56.9322**.

A 20% lighter version of the original color is **69.3270, 86.7393, 107.6962**, and **24.3787, 32.4652, 57.8048** is the 20% darker color. If you saturate the color by 10%, you get **46.5532, 59.9865, 102.8921**, and if you desaturate by 10%, it is **54.9578, 68.2091, 104.0362**.

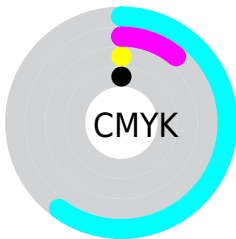
Distribution



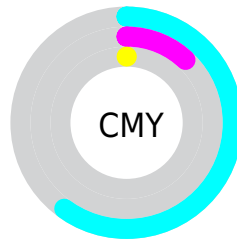
- Red (40%)
- Green (88%)
- Blue (100%)



- Red (40%)
- Yellow (67%)
- Blue (100%)



- Cyan (60%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)



- Cyan (60%)
- Magenta (12%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.2941, 63.8310, 103.4358 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 50.2941, 63.8310, 103.4358 by changing the saturation by 10% instead.

50.2941, 63.8310,
103.4358

50.2941, 63.8310,
103.4358

378.2479,
438.5791, 592.4934

35.8659, 46.5138,
78.5402

89.7997, 110.3675,
167.9637

24.5003, 32.6515,
57.9988

115.6078,
140.3556, 208.4331

15.8319, 21.8596,
41.3929

145.9399,
175.3362, 254.9308

9.4954, 13.7538,
28.3042

181.1614,
215.6935, 307.8754

5.1254, 7.9496,
18.3141

221.6375,
261.8121, 367.6854

2.3565, 4.0627,
11.0040

267.7338,

0.8233, 1.7087,

314.0763, 434.7794

5.9553

319.8155,
372.8705, 509.5759

■ 0.0000, 0.4293,
2.7496

■ 0.0000, 0.0000,
0.9682

■ 50.2941, 63.8310,
103.4358

■ 50.2941, 63.8310,
103.4358

■ 46.5532, 59.9865,
102.8921

■ 54.9578, 68.2091,
104.0362

■ 43.6452, 56.6248,
102.3965

■ 60.6115, 73.1518,
104.6923

■ 41.4724, 53.6964,
101.9458

■ 67.3227, 78.6959,
105.4087

■ 39.8746, 51.1182,
101.5323

■ 75.1516, 84.8726,
106.1883

■ 39.8508, 51.0782,
101.5259

■ 84.1532, 91.7109,
107.0338

■ 94.3793, 99.2377,
107.9476

■ 94.8896, 99.9359,
108.0555

Harmonies

Analogous

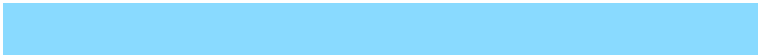
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



47.1151, 63.8310, 79.7638



50.2941, 63.8310, 103.4358



56.3810, 63.8310, 119.6444

Triad

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



50.2941, 63.8310, 103.4358



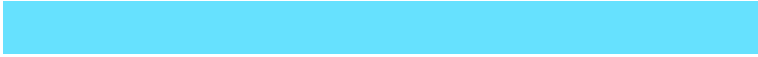
76.2977, 63.8310, 82.8590



57.3131, 63.8310, 35.3090

Complementary

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



50.2941, 63.8310, 103.4358



51.3893, 38.2647, 17.2497

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.



65.1701, 63.8310, 35.7868



50.2941, 63.8310, 103.4358



76.6020, 63.8310, 60.1588

Square

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



50.2941, 63.8310, 103.4358



71.5831, 63.8310, 106.1190



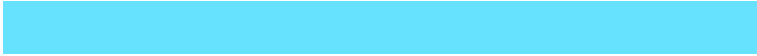
72.3818, 63.8310, 43.9418



50.9256, 63.8310, 42.4555

Rectangle

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



50.2941, 63.8310, 103.4358



61.4868, 63.8310, 122.2600



72.3818, 63.8310, 43.9418



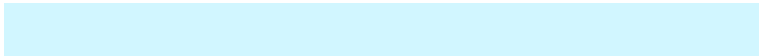
59.8594, 63.8310, 34.6379

Sweetspot

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



50.2961, 63.8334, 103.4373



77.4025, 86.8494, 107.2918



44.9434, 75.3181, 33.2436



16.0361, 18.1790, 22.9137



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.



50.2961, 63.8334, 103.4373



46.2638, 59.7465, 103.7016



34.2985, 31.8382, 98.1048



18.2430, 19.8576, 23.1213



21.1134, 27.1363, 53.5596



2.1280, 2.7866, 5.2390

Inverse Universe

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



59.2168, 36.0118, 75.0665



56.4333, 30.9833, 70.6967



65.3123, 66.1107, 21.8907



18.6353, 18.2374, 21.9626



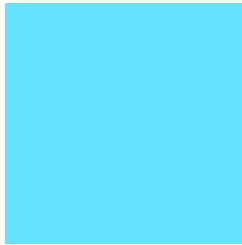
27.4453, 13.4674, 32.0588



2.7087, 1.3259, 3.3135

Previews

White Background



This preview shows how the XYZ color 50.2941, 63.8310, 103.4358 looks on a white background.

Color Contrast Check

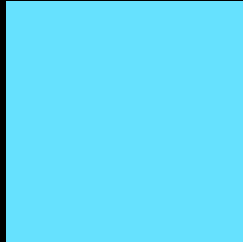
Large Text (above 18pt) WCAG AA × Fail

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 50.2941, 63.8310, 103.4358 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 50.2941, 63.8310, 103.4358

Background



This preview shows how black text looks on a background with the XYZ color 50.2941, 63.8310, 103.4358.

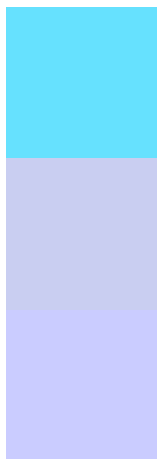


This preview shows how white text looks on a background with the XYZ color 50.2941, 63.8310,

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

50.2941, 63.8310, 103.4358

Protanopia

62.0359, 62.9110, 92.0925

Deuteranopia

64.0000, 62.9623, 103.3875



Tritanopia

48.9875, 64.1274, 96.1821

Trichromacy



Original Color

50.2941, 63.8310, 103.4358

Protanomaly

55.9459, 62.2417, 96.2540

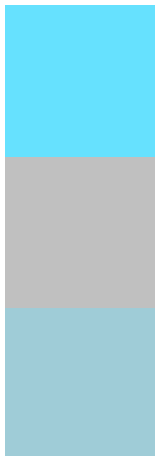
Deuteranomaly

57.3194, 62.4140, 103.6338

Tritanomaly

49.2852, 63.8227, 98.5283

Monochromacy



Original Color

50.2941, 63.8310, 103.4358

Achromatopsia

50.1023, 52.7115, 57.4028

Achromatomaly

48.1567, 55.4630, 72.4573

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.2941, 63.8310, 103.4358 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, 225, 254)` looks like.

```
.text, #text, p{  
    color:rgb(102, 225, 254)  
}
```

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, 225, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 225, 254) }
```

Border

The CSS property to change the border of an element to XYZ 50.2941, 63.8310, 103.4358 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, 225, 254) }
```


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

```
.border{ border-color:rgb(102, 225, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 225, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 225, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 225, 254);  
box-shadow:4px 4px 4px 4px rgb(102, 225,  
254) }
```

Background

The CSS property to change the background color of an element to XYZ 50.2941, 63.8310, 103.4358 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 225, 254) }
```

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

```
.background{ background-color: rgb(102,  
225, 254) }
```

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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