

Converting Colors

XYZ(51.2675, 65.0316,
105.6745)

Have a look what the booklet for
XYZ(51.2675, 65.0316, 105.6745)
contains.

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Color

**XYZ(51.1126, 65.0417,
104.4681)**

Conversions

Conversions Part 1

Format	Color
Hex	67E3FF
RGB	103, 227, 255
RGB Percent	40%, 89%, 100%
CMY	0.5960, 0.1098, 0.0000
CMYK	0.60, 0.11, 0.00, 0.00
HSL	191°, 100%, 70%
HSV	191°, 60%, 100%
XYZ	51.1126, 65.0417, 104.4681
YIQ	193.1160, -82.8920, -17.5800

Conversions

Conversions Part 2

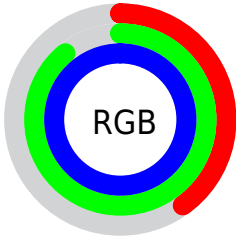
Format	Color
RYB	103, 171, 255
Decimal	6808575
CIELab	84.51, -26.61, -23.97
CIElCh	85, 35.819, 222.015
Yxy	65.0417, 0.2317, 0.2948
Android (android.graphics.Color)	4284998655 (0xFF67E3FF)
YUV	193.1160, 30.5088, -79.0317
Hunter-Lab	80.6484, -28.0067, -20.3475

Details

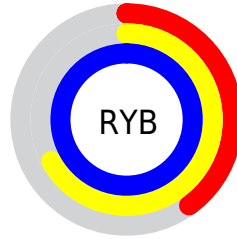
The XYZ color **51.1126, 65.0417, 104.4681** is a light color, and the websafe version is hex **33CCFF**. A complement of this color would be **51.8055, 38.4733, 17.5297**, and the grayscale version is **50.6200, 53.2562, 57.9960**.

A 20% lighter version of the original color is **69.5359, 86.8470, 107.7060**, and **24.9219, 33.2886, 58.5379** is the 20% darker color. If you saturate the color by 10%, you get **47.3544, 61.2244, 103.9294**, and if you desaturate by 10%, it is **55.8011, 69.3934, 105.0610**.

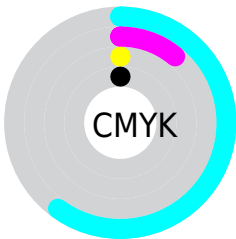
Distribution



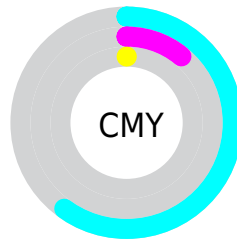
- Red (40%)
- Green (89%)
- Blue (100%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.1126, 65.0417, 104.4681 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 51.1126, 65.0417, 104.4681 by changing the saturation by 10% instead.

51.1126, 65.0417,
104.4681

51.1126, 65.0417,
104.4681

381.3816,
442.9418, 595.7934

36.5196, 47.4949,
79.3996

91.0032, 112.1098,
169.3892

25.0078, 33.4271,
58.7012

117.0315,
142.3999, 210.0789

16.2116, 22.4538,
41.9542

147.6024,
177.7065, 256.8127

9.7658, 14.1907,
28.7401

183.0811,
218.4141, 310.0093

5.3050, 8.2534,
18.6404

223.8330,
264.9070, 370.0871

2.4639, 4.2575,
11.2366

270.2235,

0.8771, 1.8186,

317.5697, 437.4647

6.1100

322.6179,
376.7865, 512.5606

■ 0.0000, 0.4988,
2.8422

■ 0.0000, 0.0000,
1.0146

■ 51.1126, 65.0417,
104.4681

■ 51.1126, 65.0417,
104.4681

■ 47.3544, 61.2244,
103.9294

■ 55.8011, 69.3934,
105.0610

■ 44.4368, 57.8906,
103.4397

■ 61.4880, 74.3109,
105.7104

■ 42.2612, 54.9907,
102.9946

■ 68.2414, 79.8309,
106.4199

■ 40.6710, 52.4432,
102.5867

■ 76.1215, 85.9851,
107.1925

■ 40.6130, 52.3461,
102.5710

■ 85.1841, 92.8025,
108.0307

95.0500, 100.0000,
108.9000

Harmonies

Analogous

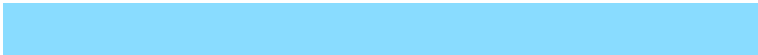
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



48.0019, 65.0417, 80.3601



51.1126, 65.0417, 104.4681



57.2051, 65.0417, 121.3409

Triad

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



51.1126, 65.0417, 104.4681



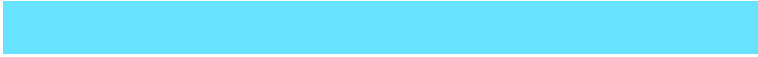
77.5824, 65.0417, 85.2638



58.6828, 65.0417, 35.9638

Complementary

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



51.1126, 65.0417, 104.4681



51.8055, 38.4733, 17.5297

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.



66.6770, 65.0417, 36.7228



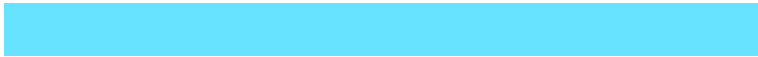
51.1126, 65.0417, 104.4681



78.0644, 65.0417, 62.0654

Square

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



51.1126, 65.0417, 104.4681



72.6623, 65.0417, 108.7162



73.9276, 65.0417, 45.3043



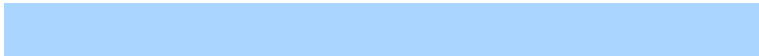
52.1140, 65.0417, 42.9448

Rectangle

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



51.1126, 65.0417, 104.4681



62.3608, 65.0417, 124.4002



73.9276, 65.0417, 45.3043



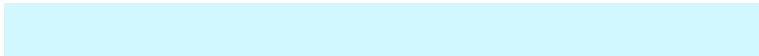
61.2827, 65.0417, 35.3721

Sweetspot

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



51.1144, 65.0440, 104.4685



77.4947, 87.0336, 107.3225



45.4426, 76.0393, 33.7097



16.0589, 18.2245, 22.9212



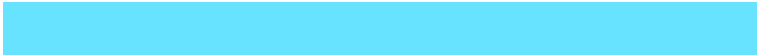
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



51.1144, 65.0440, 104.4685



46.5823, 60.3834, 103.8078



34.7334, 32.2820, 99.0081



18.2536, 19.8789, 23.1249



21.3237, 27.5569, 53.6297



2.1466, 2.8240, 5.2452

Inverse Universe

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



59.9566, 36.5083, 76.5622



56.5941, 31.0476, 71.5432



65.9697, 66.8017, 22.2512



18.6407, 18.2396, 21.9909



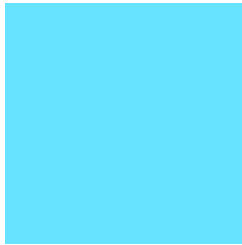
27.5514, 13.5099, 32.6178



2.7181, 1.3296, 3.3631

Previews

White Background



This preview shows how the XYZ color 51.1126, 65.0417, 104.4681 looks on a white background.

Color Contrast Check

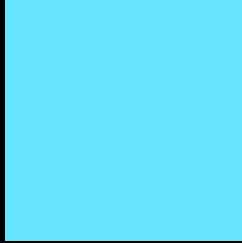
Large Text (above 18pt) WCAG AA × Fail

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 51.1126, 65.0417, 104.4681 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 51.1126, 65.0417, 104.4681

Background



This preview shows how black text looks on a background with the XYZ color 51.1126, 65.0417, 104.4681.

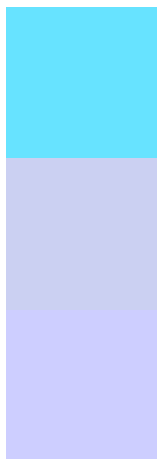


This preview shows how white text looks on a background with the XYZ color 51.1126, 65.0417,

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

51.1126, 65.0417, 104.4681

Protanopia

63.2115, 64.2191, 93.0683

Deuteranopia

65.2981, 64.3417, 103.5854



Tritanopia

49.6775, 64.8549, 97.8956

Trichromacy



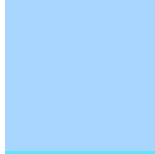
Original Color

51.1126, 65.0417, 104.4681



Protanomaly

57.0253, 63.5318, 97.2530



Deuteranomaly

58.2450, 63.6380, 103.8213



Tritanomaly

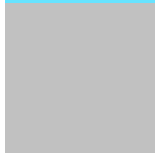
50.2543, 65.0983, 100.3590

Monochromacy



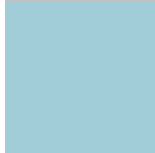
Original Color

51.1126, 65.0417, 104.4681



Achromatopsia

50.6879, 53.3276, 58.0738



Achromatomaly

48.7232, 56.0941, 73.2250

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.1126, 65.0417, 104.4681 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(103, 227, 255)` looks like.

```
.text, #text, p{  
    color:rgb(103, 227, 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(103, 227, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 227, 255) }
```

Border

The CSS property to change the border of an element to XYZ 51.1126, 65.0417, 104.4681 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(103, 227, 255) }
```


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

```
.border{ border-color:rgb(103, 227, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 227, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 227, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 227, 255);  
box-shadow:4px 4px 4px 4px rgb(103, 227,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 51.1126, 65.0417, 104.4681 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 227, 255) }
```

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

```
.background{ background-color: rgb(103,  
227, 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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