

Converting Colors

XYZ(50.3671, 54.9284,
127.0627)

Have a look what the booklet for
XYZ(50.3671, 54.9284, 127.0627)
contains.

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Color

**XYZ(45.7126, 53.1831,
102.4638)**

Conversions

Conversions Part 1

Format	Color
Hex	6DCBFF
RGB	109, 203, 255
RGB Percent	43%, 80%, 100%
CMY	0.5725, 0.2039, 0.0000
CMYK	0.57, 0.20, 0.00, 0.00
HSL	201°, 100%, 71%
HSV	201°, 57%, 100%
XYZ	45.7126, 53.1831, 102.4638
YIQ	180.8220, -72.7160, -3.7560

Conversions

Conversions Part 2

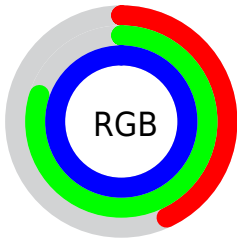
Format	Color
RYB	109, 166, 255
Decimal	7195647
CIELab	77.98, -13.35, -33.95
CIElCh	78, 36.482, 248.527
Yxy	53.1831, 0.2270, 0.2641
Android (android.graphics.Color)	4285385727 (0xFF6DCBFF)
YUV	180.8220, 36.5698, -62.9879
Hunter-Lab	72.9267, -15.7328, -32.2551

Details

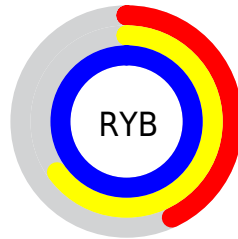
The XYZ color **45.7126, 53.1831, 102.4638** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **56.7463, 47.8555, 20.7162**, and the grayscale version is **43.6635, 45.9374, 50.0259**.

A 20% lighter version of the original color is **70.3876, 87.2860, 107.7458**, and **21.7034, 25.9654, 57.2940** is the 20% darker color. If you saturate the color by 10%, you get **40.9364, 47.6305, 101.6438**, and if you desaturate by 10%, it is **51.5273, 59.4596, 103.3688**.

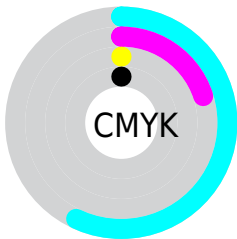
Distribution



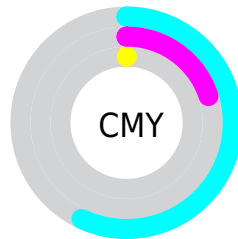
- Red (43%)
- Green (80%)
- Blue (100%)



- Red (43%)
- Yellow (65%)
- Blue (100%)



- Cyan (57%)
- Magenta (20%)
- Yellow (0%)
- Black (0%)



- Cyan (57%)
- Magenta (20%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.7126, 53.1831, 102.4638 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 45.7126, 53.1831, 102.4638 by changing the saturation by 10% instead.

■ 45.7126, 53.1831,
102.4638

■ 45.7126, 53.1831,
102.4638

360.3873,
398.9872, 589.3773

■ 32.2228, 37.9490,
77.7314

■ 83.0192, 94.8737,
166.6202

■ 21.6881, 25.9431,
57.3382

■ 107.5667,
122.0990, 206.8814

■ 13.7432, 16.7811,
40.8657

■ 136.5308,
154.0902, 253.1559

■ 8.0228, 10.0785,
27.8953

170.2768,
191.2315, 305.8622

■ 4.1615, 5.4510,
18.0084

209.1701,
233.9075, 365.4190

■ 1.7939, 2.5143,
10.7865

253.5760,

■ 0.5140, 0.8838,

282.5025, 432.2448

5.8111

303.8600,
337.4010, 506.7580

■ 0.0000, 0.0000,
2.6636

■ 0.0000, 0.0000,
0.9250

■ 45.7126, 53.1831,
102.4638

■ 45.7126, 53.1831,
102.4638

■ 40.9364, 47.6305,
101.6438

■ 51.5273, 59.4596,
103.3688

■ 37.1106, 42.7503,
100.9034

■ 58.4493, 66.4956,
104.3621

■ 34.1392, 38.4906,
100.2378

■ 66.5464, 74.3300,
105.4475

■ 31.8969, 34.7836,
99.6405

■ 75.8796, 82.9972,
106.6285

■ 31.3575, 33.8350,
99.4858

■ 86.5054, 92.5292,
107.9083

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.



40.5999, 53.1831, 85.8462



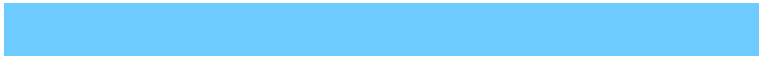
45.7126, 53.1831, 102.4638



52.6011, 53.1831, 105.8393

Triad

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



45.7126, 53.1831, 102.4638



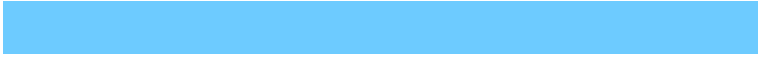
65.2936, 53.1831, 52.2994



42.5105, 53.1831, 32.3819

Complementary

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



45.7126, 53.1831, 102.4638



56.7463, 47.8555, 20.7162

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.



48.5509, 53.1831, 27.2002



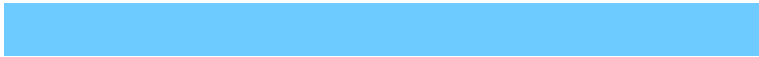
45.7126, 53.1831, 102.4638



62.0035, 53.1831, 36.8016

Square

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



45.7126, 53.1831, 102.4638



64.3529, 53.1831, 73.4376



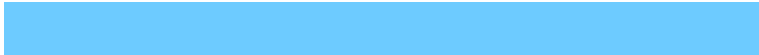
55.7149, 53.1831, 28.6029



38.8752, 53.1831, 44.7372

Rectangle

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



45.7126, 53.1831, 102.4638



57.3557, 53.1831, 99.5173



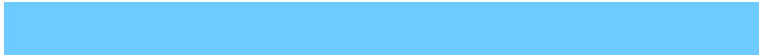
55.7149, 53.1831, 28.6029



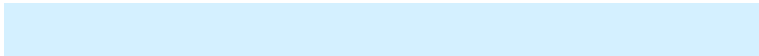
44.3032, 53.1831, 29.8926

Sweetspot

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



45.7142, 53.1850, 102.4641



76.1314, 83.2268, 106.6596



48.4219, 77.3134, 45.6766



15.8707, 17.4257, 22.7770



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.



45.7142, 53.1850, 102.4641



40.2015, 46.7303, 101.5087



32.4612, 26.6790, 98.0464



17.9787, 19.3290, 23.0332



16.5311, 17.9718, 52.0322



1.7128, 1.9563, 5.1006

Inverse Universe

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



57.4893, 36.5107, 60.5191



53.5910, 30.6798, 53.1603



73.1682, 80.6993, 26.1902



18.5019, 18.1841, 21.2601



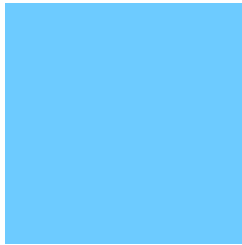
25.1323, 12.5422, 19.8792



2.4991, 1.2420, 2.2099

Previews

White Background



This preview shows how the XYZ color 45.7126, 53.1831, 102.4638 looks on a white background.

Color Contrast Check

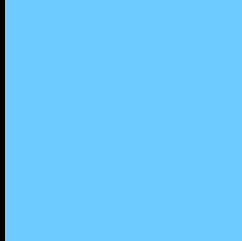
Large Text (above 18pt) WCAG AA × Fail

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 45.7126, 53.1831, 102.4638 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

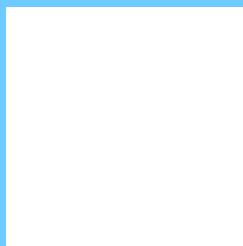
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.7126, 53.1831, 102.4638

Background



This preview shows how black text looks on a background with the XYZ color 45.7126, 53.1831, 102.4638.



This preview shows how white text looks on a background with the XYZ color 45.7126, 53.1831,

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

45.7126, 53.1831, 102.4638

Protanopia

53.0263, 52.7666, 93.7764

Deuteranopia

53.7032, 52.6139, 101.9328



Tritanopia

41.0762, 53.0894, 79.3165

Trichromacy



Original Color

45.7126, 53.1831, 102.4638

Protanomaly

49.5629, 52.5452, 97.1525

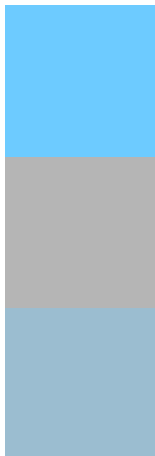
Deuteranomaly

49.9195, 52.2876, 102.0692

Tritanomaly

42.5785, 52.9654, 87.3361

Monochromacy



Original Color

45.7126, 53.1831, 102.4638

Achromatopsia

43.9204, 46.2077, 50.3202

Achromatomaly

43.1003, 47.9178, 66.6519

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.7126, 53.1831, 102.4638 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(109, 203, 255)` looks like.

```
.text, #text, p{  
    color:rgb(109, 203, 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(109, 203, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 203, 255) }
```

Border

The CSS property to change the border of an element to XYZ 45.7126, 53.1831, 102.4638 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(109, 203, 255) }
```


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

```
.border{ border-color:rgb(109, 203, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 203, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 203, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 203, 255);  
box-shadow:4px 4px 4px 4px rgb(109, 203,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 45.7126, 53.1831, 102.4638 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 203, 255) }
```

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

```
.background{ background-color: rgb(109,  
203, 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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