

Converting Colors

XYZ(50.4777, 62.1181,
103.9373)

Have a look what the booklet for
XYZ(50.4777, 62.1181, 103.9373)
contains.

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Color

**XYZ(50.3253, 61.8511,
103.8938)**

Conversions

Conversions Part 1

Format	Color
Hex	70DCFF
RGB	112, 220, 255
RGB Percent	44%, 86%, 100%
CMY	0.5608, 0.1372, 0.0000
CMYK	0.56, 0.14, 0.00, 0.00
HSL	195°, 100%, 72%
HSV	195°, 56%, 100%
XYZ	50.3253, 61.8511, 103.8938
YIQ	191.6980, -75.6030, -12.0110

Conversions

Conversions Part 2

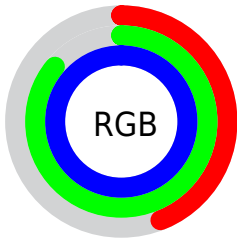
Format	Color
RYB	112, 174, 255
Decimal	7396607
CIELab	82.83, -21.51, -26.49
CIElCh	83, 34.125, 230.929
Yxy	61.8511, 0.2329, 0.2863
Android (android.graphics.Color)	4285586687 (0xFF70DCFF)
YUV	191.6980, 31.2079, -69.8951
Hunter-Lab	78.6455, -23.4073, -23.2726

Details

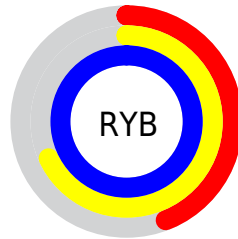
The XYZ color **50.3253, 61.8511, 103.8938** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **54.5994, 43.2987, 20.8112**, and the grayscale version is **49.7843, 52.3769, 57.0385**.

A 20% lighter version of the original color is **71.0436, 87.6242, 107.7765**, and **24.5232, 31.4386, 58.2018** is the 20% darker color. If you saturate the color by 10%, you get **45.9211, 57.1955, 103.2273**, and if you desaturate by 10%, it is **55.7127, 67.1070, 104.6243**.

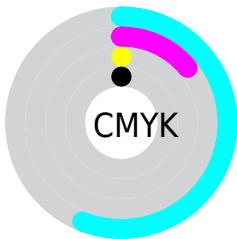
Distribution



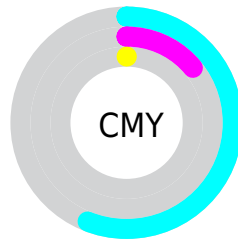
- Red (44%)
- Green (86%)
- Blue (100%)



- Red (44%)
- Yellow (68%)
- Blue (100%)



- Cyan (56%)
- Magenta (14%)
- Yellow (0%)
- Black (0%)



- Cyan (56%)
- Magenta (14%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.3253, 61.8511, 103.8938 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 50.3253, 61.8511, 103.8938 by changing the saturation by 10% instead.

50.3253, 61.8511,
103.8938

50.3253, 61.8511,
103.8938

378.3677,
431.3877, 593.9587

35.8908, 44.9124,
78.9214

89.8456, 107.5103,
168.5963

24.5196, 31.3884,
58.3103

115.6621,
136.9996, 209.1636

15.8463, 20.8948,
41.6418

146.0034,
171.4412, 255.7662

9.5056, 13.0471,
28.4974

181.2347,
211.2195, 308.8227

5.1322, 7.4610,
18.4587

221.7214,
256.7189, 368.7517

2.3606, 3.7520,
11.1070

267.8289,

0.8254, 1.5358,

308.3238, 435.9716

6.0237

319.9226,
366.4186, 510.9011

■ 0.0000, 0.3138,
2.7905

■ 0.0000, 0.0000,
0.9887

■ 50.3253, 61.8511,
103.8938

■ 50.3253, 61.8511,
103.8938

■ 45.9211, 57.1955,
103.2273

■ 55.7127, 67.1070,
104.6243

■ 42.4142, 53.0909,
102.6199

■ 62.1492, 72.9941,
105.4214

■ 39.7125, 49.4903,
102.0673

■ 69.7007, 79.5487,
106.2886

■ 37.6992, 46.3323,
101.5638

■ 78.4262, 86.8022,
107.2287

■ 37.0294, 45.1789,
101.3765

■ 88.3804, 94.7837,
108.2447

95.0500, 100.0000,
108.9000

Harmonies

Analogous

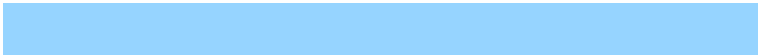
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



46.5549, 61.8511, 82.8565



50.3253, 61.8511, 103.8938



56.5883, 61.8511, 115.7212

Triad

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



50.3253, 61.8511, 103.8938



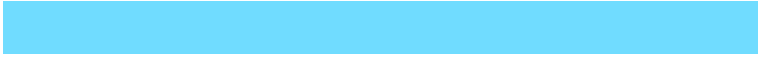
73.8710, 61.8511, 73.9278



53.8842, 61.8511, 36.1827

Complementary

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



50.3253, 61.8511, 103.8938



54.5994, 43.2987, 20.8112

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.



61.0432, 61.8511, 34.7717



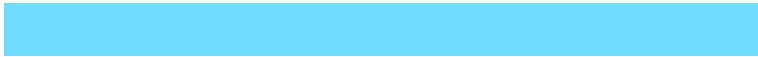
50.3253, 61.8511, 103.8938



72.9949, 61.8511, 53.9019

Square

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



50.3253, 61.8511, 103.8938



70.4519, 61.8511, 96.2009



68.1491, 61.8511, 40.5643



48.4875, 61.8511, 44.9274

Rectangle

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



50.3253, 61.8511, 103.8938



61.5069, 61.8511, 115.3947



68.1491, 61.8511, 40.5643



56.1497, 61.8511, 34.9185

Sweetspot

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



50.3271, 61.8533, 103.8941



77.5688, 86.1016, 107.1387



47.5826, 77.0211, 39.2975



16.2118, 18.1079, 22.8907



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.



50.3271, 61.8533, 103.8941



45.5605, 56.7935, 103.1687



35.6615, 32.5222, 99.0056



18.1561, 19.6839, 23.0924



19.4719, 23.8534, 53.0125



1.9813, 2.4933, 5.1901

Inverse Universe

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



59.9537, 38.0174, 71.8906



56.4558, 32.4375, 66.3596



68.9440, 71.9880, 25.5927



18.5915, 18.2199, 21.7318



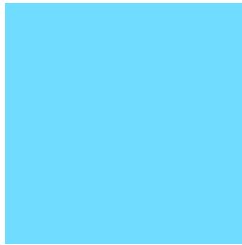
26.6167, 13.1360, 27.6958



2.6347, 1.2962, 2.9236

Previews

White Background



This preview shows how the XYZ color 50.3253, 61.8511, 103.8938 looks on a white background.

Color Contrast Check

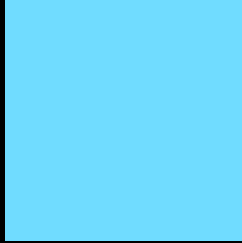
Large Text (above 18pt) WCAG AA × Fail

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 50.3253, 61.8511, 103.8938 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

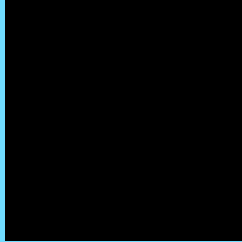
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.3253, 61.8511, 103.8938

Background



This preview shows how black text looks on a background with the XYZ color 50.3253, 61.8511, 103.8938.

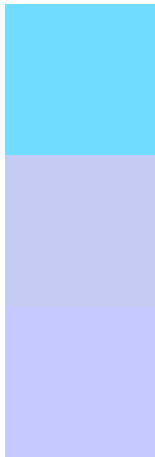


This preview shows how white text looks on a background with the XYZ color 50.3253, 61.8511,

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

50.3253, 61.8511, 103.8938

Protanopia

60.5596, 61.0533, 93.3866

Deuteranopia

61.9626, 60.8636, 103.0898



Tritanopia

47.7933, 61.5980, 91.8087

Trichromacy



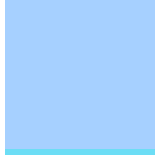
Original Color

50.3253, 61.8511, 103.8938



Protanomaly

55.3148, 60.4233, 96.7432



Deuteranomaly

56.3318, 60.4387, 103.3046



Tritanomaly

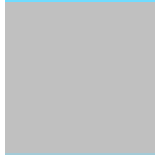
48.5222, 61.4936, 95.6983

Monochromacy



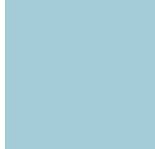
Original Color

50.3253, 61.8511, 103.8938



Achromatopsia

50.1023, 52.7115, 57.4028



Achromatomaly

48.4905, 54.9339, 72.3376

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.3253, 61.8511, 103.8938 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(112, 220, 255)` looks like.

```
.text, #text, p{  
    color:rgb(112, 220, 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(112, 220, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 220, 255) }
```

Border

The CSS property to change the border of an element to XYZ 50.3253, 61.8511, 103.8938 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(112, 220, 255) }
```


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

```
.border{ border-color:rgb(112, 220, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 220, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 220, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 220, 255);  
box-shadow:4px 4px 4px 4px rgb(112, 220,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 50.3253, 61.8511, 103.8938 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 220, 255) }
```

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

```
.background{ background-color: rgb(112,  
220, 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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