

Converting Colors

XYZ(50.7570, 59.5295,
103.4229)

Have a look what the booklet for
XYZ(50.7570, 59.5295, 103.4229)
contains.

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Color

**XYZ(50.7463, 59.3977,
103.3980)**

Conversions

Conversions Part 1

Format	Color
Hex	80D5FF
RGB	128, 213, 255
RGB Percent	50%, 84%, 100%
CMY	0.4980, 0.1647, 0.0000
CMYK	0.50, 0.16, 0.00, 0.00
HSL	200°, 100%, 75%
HSV	200°, 50%, 100%
XYZ	50.7463, 59.3977, 103.3980
YIQ	192.3730, -64.1420, -4.9580

Conversions

Conversions Part 2

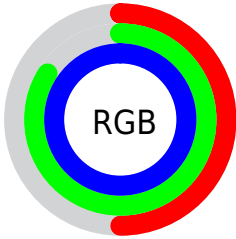
Format	Color
RYB	128, 179, 255
Decimal	8443391
CIELab	81.51, -14.67, -28.46
CIELCh	82, 32.024, 242.726
Yxy	59.3977, 0.2376, 0.2782
Android (android.graphics.Color)	4286633471 (0xFF80D5FF)
YUV	192.3730, 30.8751, -56.4551
Hunter-Lab	77.0699, -17.3399, -25.5953

Details

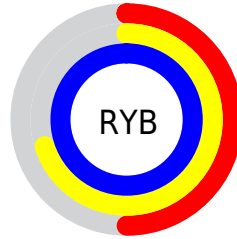
The XYZ color **50.7463, 59.3977, 103.3980** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **59.5118, 51.5689, 27.2412**, and the grayscale version is **50.1745, 52.7875, 57.4856**.

A 20% lighter version of the original color is **74.3035, 89.3048, 107.9291**, and **24.7346, 29.7242, 57.8598** is the 20% darker color. If you saturate the color by 10%, you get **45.3157, 53.5319, 102.5520**, and if you desaturate by 10%, it is **57.2543, 65.9851, 104.3265**.

Distribution



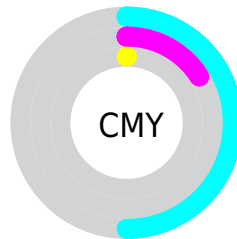
- Red (50%)
- Green (84%)
- Blue (100%)



- Red (50%)
- Yellow (70%)
- Blue (100%)



- Cyan (50%)
- Magenta (16%)
- Yellow (0%)
- Black (0%)



- Cyan (50%)
- Magenta (16%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.7463, 59.3977, 103.3980 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 50.7463, 59.3977, 103.3980 by changing the saturation by 10% instead.

50.7463, 59.3977,
103.3980

50.7463, 59.3977,
103.3980

379.9812,
422.3741, 592.3724

36.2270, 42.9333,
78.5087

90.4649, 103.9555,
167.9115

24.7805, 29.8328,
57.9730

116.3948,
132.8177, 208.3728

16.0414, 19.7117,
41.3724

146.8590,
166.5813, 254.8618

9.6445, 12.1857,
28.2883

182.2228,
205.6307, 307.7972

5.2243, 6.8703,
18.3022

222.8516,
250.3502, 367.5974

2.4156, 3.3811,
10.9955

269.1107,

0.8529, 1.3338,

301.1244, 434.6809

5.9497

321.3654,
358.3376, 509.4664

■ 0.0000, 0.1671,
2.7462

■ 0.0000, 0.0000,
0.9665

■ 50.7463, 59.3977,
103.3980

■ 50.7463, 59.3977,
103.3980

■ 45.3157, 53.5319,
102.5520

■ 57.2543, 65.9851,
104.3265

■ 40.8821, 48.3401,
101.7836

■ 64.9020, 73.3251,
105.3402

■ 37.3611, 43.7776,
101.0885

■ 73.7531, 81.4538,
106.4427

■ 34.6509, 39.7892,
100.4615

■ 83.8645, 90.4031,
107.6372

■ 32.5890, 36.2885,
99.8945

95.0500, 100.0000,
108.9000

■ 32.5511, 36.2222,
99.8837

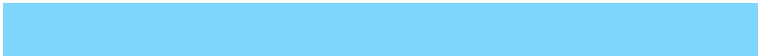
Harmonies

Analogous

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



46.2806, 59.3977, 86.7820



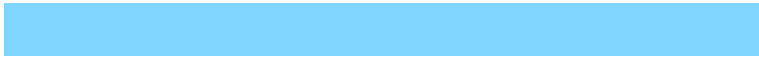
50.7463, 59.3977, 103.3980



57.0716, 59.3977, 109.0590

Triad

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



50.7463, 59.3977, 103.3980



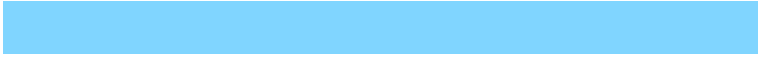
70.3515, 59.3977, 62.9324



49.7627, 59.3977, 38.2989

Complementary

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



50.7463, 59.3977, 103.3980



59.5118, 51.5689, 27.2412

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.



55.8443, 59.3977, 34.3366



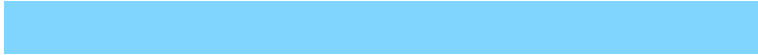
50.7463, 59.3977, 103.3980



68.0226, 59.3977, 46.6809

Square

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



50.7463, 59.3977, 103.3980



68.7198, 59.3977, 83.1311



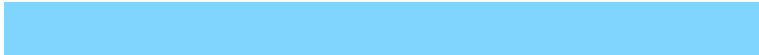
62.5781, 59.3977, 37.0728



45.7451, 59.3977, 49.1735

Rectangle

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



50.7463, 59.3977, 103.3980



61.5892, 59.3977, 105.1022



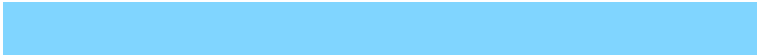
62.5781, 59.3977, 37.0728



51.6158, 59.3977, 36.2240

Sweetspot

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



50.7480, 59.3998, 103.3984



78.4477, 85.6468, 107.0046



51.7514, 78.9450, 49.6639



16.3421, 17.9329, 22.8500



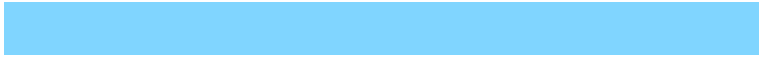
0.0000, 0.0000, 0.0000



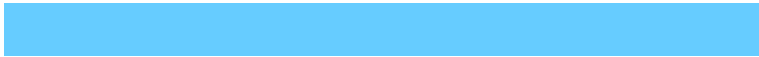
20.3446, 21.4041, 23.3091

Same Dimension

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



50.7480, 59.3998, 103.3984



45.2184, 53.4226, 102.5361



38.0659, 34.0356, 99.1710



18.0190, 19.4097, 23.0467



17.1513, 19.2121, 52.2389



1.7702, 2.0710, 5.1197

Inverse Universe

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



60.9706, 41.5041, 67.7506



56.9389, 35.1418, 61.1628



73.9139, 80.3731, 32.0419



18.5223, 18.1922, 21.3673



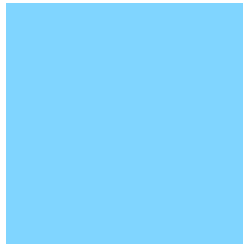
25.4454, 12.6674, 21.5275



2.5281, 1.2536, 2.3624

Previews

White Background



This preview shows how the XYZ color 50.7463, 59.3977, 103.3980 looks on a white background.

Color Contrast Check

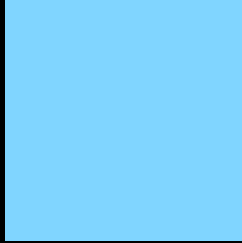
Large Text (above 18pt) WCAG AA × Fail

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 50.7463, 59.3977, 103.3980 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

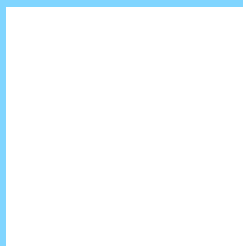
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 50.7463, 59.3977, 103.3980

Background



This preview shows how black text looks on a background with the XYZ color 50.7463, 59.3977, 103.3980.

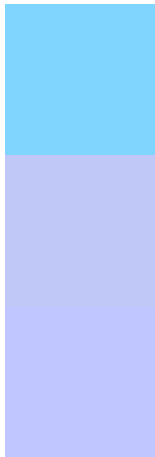


This preview shows how white text looks on a background with the XYZ color 50.7463, 59.3977,

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

50.7463, 59.3977, 103.3980

Protanopia

58.7747, 59.0387, 95.4866

Deuteranopia

59.9823, 58.8146, 102.7987



Tritanopia

47.5493, 59.6312, 86.8458

Trichromacy



Original Color

50.7463, 59.3977, 103.3980

Protanomaly

55.0787, 58.8270, 98.0743

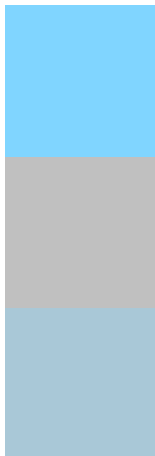
Deuteranomaly

55.7681, 58.3669, 102.9344

Tritanomaly

48.8951, 59.8076, 92.9714

Monochromacy



Original Color

50.7463, 59.3977, 103.3980

Achromatopsia

50.1023, 52.7115, 57.4028

Achromatomaly

49.2822, 54.6499, 72.2410

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.7463, 59.3977, 103.3980 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(128, 213, 255)` looks like.

```
.text, #text, p{  
    color:rgb(128, 213, 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(128, 213, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 213, 255) }
```

Border

The CSS property to change the border of an element to XYZ 50.7463, 59.3977, 103.3980 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(128, 213, 255) }
```


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

```
.border{ border-color:rgb(128, 213, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 213, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 213, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 213, 255);  
box-shadow:4px 4px 4px 4px rgb(128, 213,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 50.7463, 59.3977, 103.3980 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 213, 255) }
```

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

```
.background{ background-color: rgb(128,  
213, 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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