

Converting Colors

XYZ(50.6149, 60.7472,
103.6654)

Have a look what the booklet for
XYZ(50.6149, 60.7472, 103.6654)
contains.

XYZ(50.7480, 60.9107, 103.6900)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(50.7480, 60.9107,
103.6900)**

Conversions

Conversions Part 1

Format	Color
Hex	79D9FF
RGB	121, 217, 255
RGB Percent	47%, 85%, 100%
CMY	0.5255, 0.1490, 0.0000
CMYK	0.53, 0.15, 0.00, 0.00
HSL	197°, 100%, 74%
HSV	197°, 53%, 100%
XYZ	50.7480, 60.9107, 103.6900
YIQ	192.6280, -69.4140, -8.5340

Conversions

Conversions Part 2

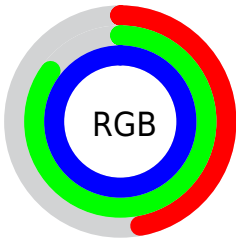
Format	Color
R_{YB}	121, 177, 255
Decimal	7985663
CIE _{Lab}	82.33, -18.21, -27.23
CIE _{LCh}	82, 32.760, 236.231
Yxy	60.9107, 0.2357, 0.2828
Android (android.graphics.Color)	4286175743 (0xFF79D9FF)
YUV	192.6280, 30.7494, -62.8178
Hunter-Lab	78.0453, -20.5119, -24.1402

Details

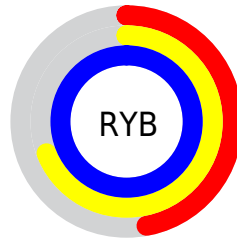
The XYZ color **50.7480, 60.9107, 103.6900** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **57.0901, 47.4378, 24.2385**, and the grayscale version is **50.3266, 52.9475, 57.6599**.

A 20% lighter version of the original color is **72.8661, 88.5638, 107.8618**, and **24.7443, 30.7586, 58.0589** is the 20% darker color. If you saturate the color by 10%, you get **45.8125, 55.6610, 102.9368**, and if you desaturate by 10%, it is **56.7129, 66.8149, 104.5152**.

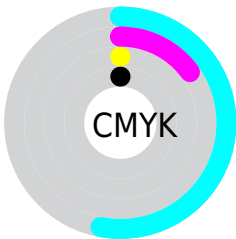
Distribution



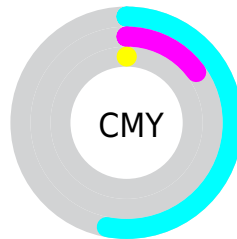
- Red (47%)
- Green (85%)
- Blue (100%)



- Red (47%)
- Yellow (69%)
- Blue (100%)



- Cyan (53%)
- Magenta (15%)
- Yellow (0%)
- Black (0%)



- Cyan (53%)
- Magenta (15%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.7480, 60.9107, 103.6900 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 50.7480, 60.9107, 103.6900 by changing the saturation by 10% instead.

50.7480, 60.9107,
103.6900

50.7480, 60.9107,
103.6900

379.9877,
427.9465, 593.3069

36.2283, 44.1531,
78.7518

90.4674, 106.1496,
168.3149

24.7815, 30.7909,
58.1716

116.3978,
135.3997, 208.8386

16.0422, 20.4397,
41.5310

146.8625,
169.5828, 255.3945

9.6451, 12.7150,
28.4114

182.2268,
209.0833, 308.4013

5.2247, 7.2326,
18.3943

222.8562,
254.2855, 368.2773

2.4158, 3.6080,
11.0611

269.1159,

0.8530, 1.4568,

305.5738, 435.4413

5.9932

321.3713,
363.3327, 510.3116

■ 0.0000, 0.2580,
2.7722

■ 0.0000, 0.0000,
0.9796

■ 50.7480, 60.9107,
103.6900

■ 50.7480, 60.9107,
103.6900

■ 45.8125, 55.6610,
102.9368

■ 56.7129, 66.8149,
104.5152

■ 41.8240, 51.0179,
102.2508

■ 63.7710, 73.4041,
105.4151

■ 38.6953, 46.9362,
101.6279

■ 71.9864, 80.7142,
106.3930

■ 36.3189, 43.3589,
101.0626

■ 81.4170, 88.7764,
107.4522

■ 34.9196, 40.9592,
100.6732

■ 92.1164, 97.6198,
108.5952

95.0500, 100.0000,
108.9000

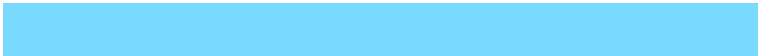
Harmonies

Analogous

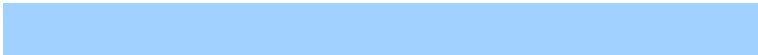
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



46.6676, 60.9107, 84.8072



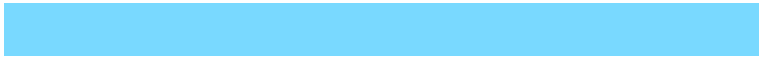
50.7480, 60.9107, 103.6900



57.0159, 60.9107, 112.5569

Triad

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



50.7480, 60.9107, 103.6900



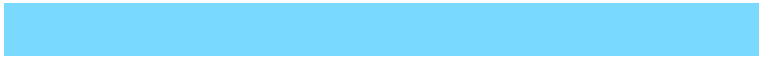
72.3488, 60.9107, 68.8806



52.1607, 60.9107, 37.4668

Complementary

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



50.7480, 60.9107, 103.6900



57.0901, 47.4378, 24.2385

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.



58.7806, 60.9107, 34.8798



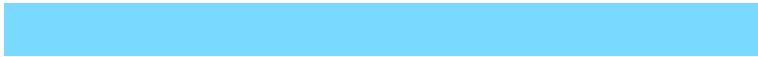
50.7480, 60.9107, 103.6900



70.7898, 60.9107, 50.7383

Square

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



50.7480, 60.9107, 103.6900



69.7857, 60.9107, 90.0688



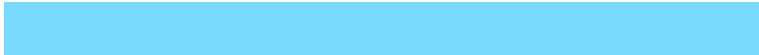
65.6807, 60.9107, 39.2204



47.4360, 60.9107, 47.1645

Rectangle

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



50.7480, 60.9107, 103.6900



61.7278, 60.9107, 110.5074



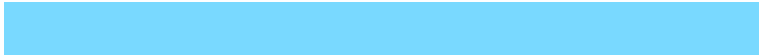
65.6807, 60.9107, 39.2204



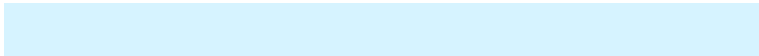
54.2220, 60.9107, 35.8327

Sweetspot

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



50.7498, 60.9129, 103.6903



78.0195, 85.9054, 107.0771



49.9015, 78.0876, 45.2300



16.2811, 18.0303, 22.8720



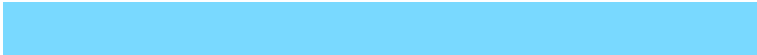
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



50.7498, 60.9129, 103.6903



45.6118, 55.4377, 102.9043



36.8484, 33.1102, 99.0565



18.0940, 19.5597, 23.0717



18.3797, 21.6689, 52.6484



1.8826, 2.2958, 5.1572

Inverse Universe

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



60.6029, 39.9461, 70.1643



56.8377, 33.9533, 64.1686



71.8792, 77.0159, 29.1682



18.5601, 18.2074, 21.5667



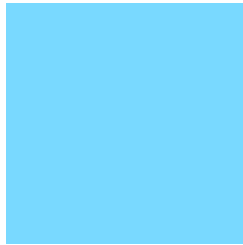
26.0654, 12.9155, 24.7926



2.5848, 1.2763, 2.6612

Previews

White Background



This preview shows how the XYZ color 50.7480, 60.9107, 103.6900 looks on a white background.

Color Contrast Check

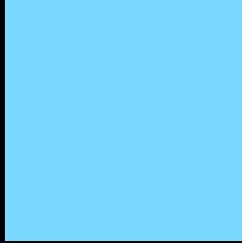
Large Text (above 18pt) WCAG AA × Fail

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 50.7480, 60.9107, 103.6900 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

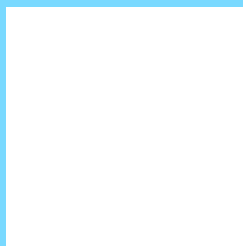
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 50.7480, 60.9107, 103.6900

Background



This preview shows how black text looks on a background with the XYZ color 50.7480, 60.9107, 103.6900.

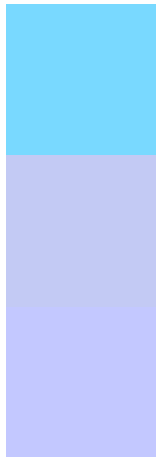


This preview shows how white text looks on a background with the XYZ color 50.7480, 60.9107,

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

50.7480, 60.9107, 103.6900

Protanopia

59.9553, 60.3748, 94.0815

Deuteranopia

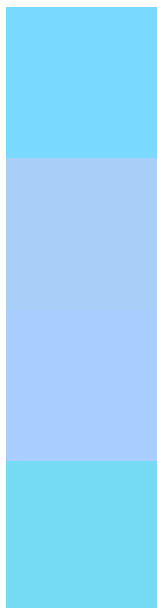
61.2100, 60.1307, 102.9880



Tritanopia

48.0960, 61.0043, 90.1290

Trichromacy



Original Color

50.7480, 60.9107, 103.6900

Protanomaly

55.4045, 59.7278, 97.4154

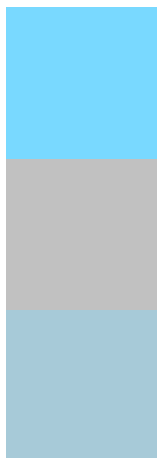
Deuteranomaly

56.2698, 59.6874, 103.1628

Tritanomaly

48.9968, 60.9766, 94.7752

Monochromacy



Original Color

50.7480, 60.9107, 103.6900

Achromatopsia

50.6879, 53.3276, 58.0738

Achromatomaly

49.4515, 55.4144, 73.0554

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.7480, 60.9107, 103.6900 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(121, 217, 255)` looks like.

```
.text, #text, p{  
    color:rgb(121, 217, 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(121, 217, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 217, 255) }
```

Border

The CSS property to change the border of an element to XYZ 50.7480, 60.9107, 103.6900 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(121, 217, 255) }
```


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

```
.border{ border-color:rgb(121, 217, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 217, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 217, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 217, 255);  
box-shadow:4px 4px 4px 4px rgb(121, 217,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 50.7480, 60.9107, 103.6900 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 217, 255) }
```

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

```
.background{ background-color: rgb(121,  
217, 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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