

Converting Colors

XYZ(54.0675, 59.6044,
130.0752)

Have a look what the booklet for
XYZ(54.0675, 59.6044, 130.0752)
contains.

XYZ(49.0900, 57.8016, 103.1772)	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(49.0900, 57.8016,
103.1772)**

Conversions

Conversions Part 1

Format	Color
Hex	78D3FF
RGB	120, 211, 255
RGB Percent	47%, 83%, 100%
CMY	0.5294, 0.1725, 0.0000
CMYK	0.53, 0.17, 0.00, 0.00
HSL	200°, 100%, 74%
HSV	200°, 53%, 100%
XYZ	49.0900, 57.8016, 103.1772
YIQ	188.8070, -68.3600, -5.6080

Conversions

Conversions Part 2

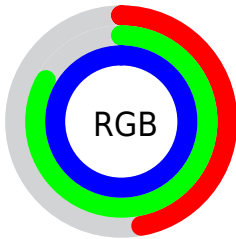
Format	Color
R _Y B	120, 174, 255
Decimal	7918591
CIE Lab	80.63, -15.34, -29.84
CIE LCh	81, 33.554, 242.799
Yxy	57.8016, 0.2337, 0.2752
Android (android.graphics.Color)	4286108671 (0xFF78D3FF)
YUV	188.8070, 32.6331, -60.3437
Hunter-Lab	76.0274, -17.7925, -27.2437

Details

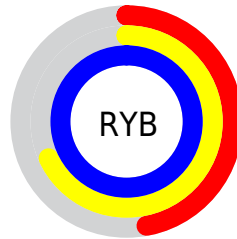
The XYZ color **49.0900, 57.8016, 103.1772** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **57.9066, 49.1683, 24.2098**, and the grayscale version is **48.1088, 50.6142, 55.1188**.

A 20% lighter version of the original color is **72.6324, 88.4433, 107.8509**, and **23.6571, 28.6664, 57.7124** is the 20% darker color. If you saturate the color by 10%, you get **44.0016, 52.1932, 102.3629**, and if you desaturate by 10%, it is **55.2301, 64.1130, 104.0718**.

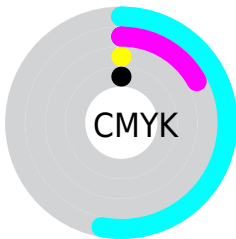
Distribution



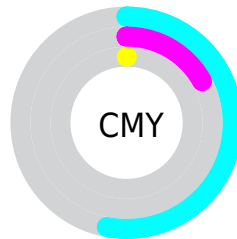
- Red (47%)
- Green (83%)
- Blue (100%)



- Red (47%)
- Yellow (68%)
- Blue (100%)



- Cyan (53%)
- Magenta (17%)
- Yellow (0%)
- Black (0%)



- Cyan (53%)
- Magenta (17%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.0900, 57.8016, 103.1772 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 49.0900, 57.8016, 103.1772 by changing the saturation by 10% instead.

■ 49.0900, 57.8016,
103.1772

■ 49.0900, 57.8016,
103.1772

373.6076,
416.4462, 591.6652

■ 34.9057, 41.6492,
78.3250

■ 88.0250, 101.6339,
167.6064

■ 23.7564, 28.8267,
57.8229

■ 113.5065,
130.0825, 208.0205

■ 15.2768, 18.9497,
41.2526

■ 143.4843,
163.3987, 254.4589

■ 9.1015, 11.6340,
28.1953

178.3240,
201.9668, 307.3402

■ 4.8651, 6.4950,
18.2326

218.3908,
246.1712, 367.0829

■ 2.2022, 3.1483,
10.9459

264.0501,

■ 0.7439, 1.2096,

296.3963, 434.1057

5.9168

315.6673,
353.0265, 508.8269

■ 0.0000, 0.0696,
2.7266

■ 0.0000, 0.0000,
0.9568

■ 49.0900, 57.8016,
103.1772

■ 49.0900, 57.8016,
103.1772

■ 44.0016, 52.1932,
102.3629

■ 55.2301, 64.1130,
104.0718

■ 39.8815, 47.2390,
101.6238

■ 62.4864, 71.1594,
105.0495

■ 36.6414, 42.8921,
100.9555

■ 70.9240, 78.9778,
106.1139

■ 34.1722, 39.0939,
100.3525

■ 80.6012, 87.6007,
107.2682

■ 32.7818, 36.6835,
99.9606

■ 91.5725, 97.0580,
108.5154

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.



44.5165, 57.8016, 85.8637



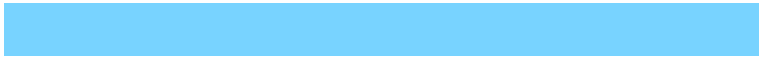
49.0900, 57.8016, 103.1772



55.5896, 57.8016, 109.0699

Triad

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



49.0900, 57.8016, 103.1772



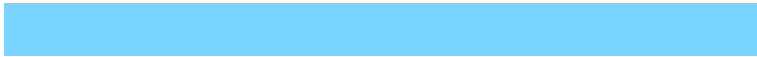
69.2963, 57.8016, 61.0975



48.0555, 57.8016, 36.0779

Complementary

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



49.0900, 57.8016, 103.1772



57.9066, 49.1683, 24.2098

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.



54.2929, 57.8016, 32.0831



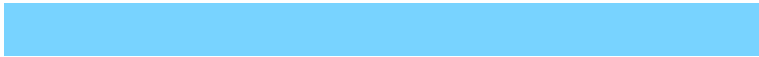
49.0900, 57.8016, 103.1772



66.8725, 57.8016, 44.5030

Square

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



49.0900, 57.8016, 103.1772



67.6144, 57.8016, 81.9680



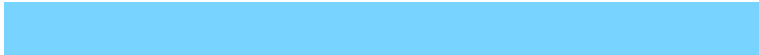
61.2344, 57.8016, 34.8117



43.9553, 57.8016, 47.1048

Rectangle

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



49.0900, 57.8016, 103.1772



60.2461, 57.8016, 104.9030



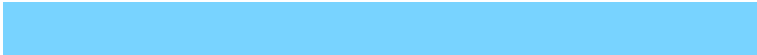
61.2344, 57.8016, 34.8117



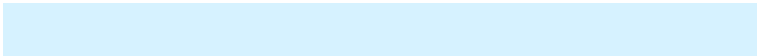
49.9525, 57.8016, 33.9865

Sweetspot

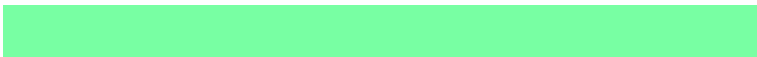
The Sweet Spot groups the original color and five complimentary colors.



49.0917, 57.8037, 103.1776



77.5036, 84.8736, 106.9051



50.0955, 78.1491, 46.9791



16.1576, 17.7833, 22.8309



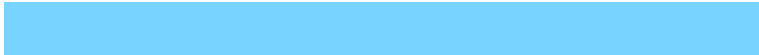
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



49.0917, 57.8037, 103.1776



43.5197, 51.6371, 102.2810



35.8847, 31.3896, 98.7752



18.0266, 19.4248, 23.0492



17.2710, 19.4516, 52.2788



1.7812, 2.0931, 5.1234

Inverse Universe

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



59.7155, 39.3978, 66.0873



55.6880, 33.1350, 59.2200



72.9973, 79.3498, 29.2401



18.5261, 18.1937, 21.3875



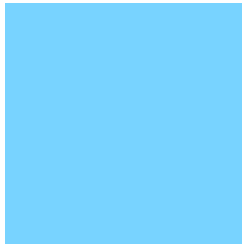
25.5058, 12.6916, 21.8458



2.5337, 1.2558, 2.3917

Previews

White Background



This preview shows how the XYZ color 49.0900, 57.8016, 103.1772 looks on a white background.

Color Contrast Check

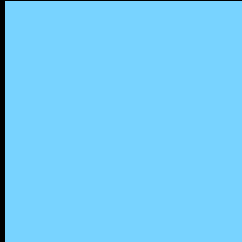
Large Text (above 18pt) WCAG AA × Fail

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 49.0900, 57.8016, 103.1772 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

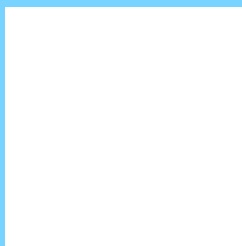
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.0900, 57.8016, 103.1772

Background



This preview shows how black text looks on a background with the XYZ color 49.0900, 57.8016, 103.1772.



This preview shows how white text looks on a background with the XYZ color 49.0900, 57.8016,

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

49.0900, 57.8016, 103.1772

Protanopia

57.1867, 57.2164, 94.4160

Deuteranopia

58.2834, 57.2647, 102.5891



Tritanopia

45.5480, 57.8718, 85.1137

Trichromacy



Original Color

49.0900, 57.8016, 103.1772

Protanomaly

53.3237, 56.8671, 97.7885

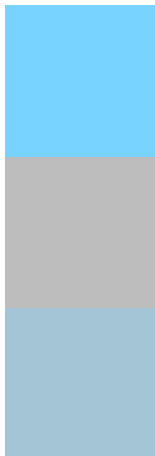
Deuteranomaly

54.0409, 56.7798, 102.7191

Tritanomaly

46.8450, 58.0292, 91.1698

Monochromacy



Original Color

49.0900, 57.8016, 103.1772

Achromatopsia

48.3692, 50.8881, 55.4172

Achromatomaly

47.2863, 52.6291, 70.6170

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.0900, 57.8016, 103.1772 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(120, 211, 255)` looks like.

```
.text, #text, p{  
    color:rgb(120, 211, 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(120, 211, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 211, 255) }
```

Border

The CSS property to change the border of an element to XYZ 49.0900, 57.8016, 103.1772 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(120, 211, 255) }
```


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

```
.border{ border-color:rgb(120, 211, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 211, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(120, 211, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(120, 211, 255); box-shadow:4px 4px 4px 4px rgb(120, 211, 255) }
```

Background

The CSS property to change the background color of an element to XYZ 49.0900, 57.8016, 103.1772 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 211, 255) }
```

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

```
.background{ background-color: rgb(120,  
211, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor