

Converting Colors

XYZ(49.4710, 58.4838, 89.9655)

Have a look what the booklet for
XYZ(49.4710, 58.4838, 89.9655)
contains.

XYZ(49.6047, 58.7222, 90.3814)	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(49.6047, 58.7222,
90.3814)**

Conversions

Conversions Part 1

Format	Color
Hex	8AD4EF
RGB	138, 212, 239
RGB Percent	54%, 83%, 94%
CMY	0.4588, 0.1686, 0.0627
CMYK	0.42, 0.11, 0.00, 0.06
HSL	196°, 76%, 74%
HSV	196°, 42%, 94%
XYZ	49.6047, 58.7222, 90.3814
YIQ	192.9520, -52.7710, -7.2910

Conversions

Conversions Part 2

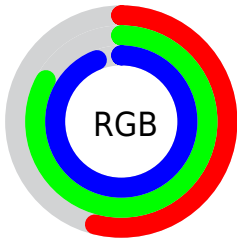
Format	Color
R _Y B	138, 181, 239
Decimal	9098479
CIE Lab	81.14, -16.14, -20.48
CIE LCh	81, 26.077, 231.760
Yxy	58.7222, 0.2496, 0.2955
Android (android.graphics.Color)	4287288559 (0xFF8AD4EF)
YUV	192.9520, 22.7017, -48.1929
Hunter-Lab	76.6304, -18.5559, -16.2880

Details

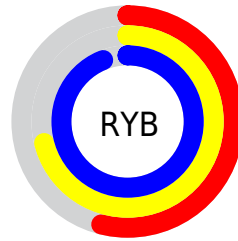
The XYZ color **49.6047, 58.7222, 90.3814** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **53.6404, 47.0972, 30.3100**, and the grayscale version is **50.5550, 53.1878, 57.9215**.

A 20% lighter version of the original color is **76.3157, 90.3421, 108.0232**, and **23.9976, 29.2822, 49.1870** is the 20% darker color. If you saturate the color by 10%, you get **44.5119, 53.7738, 89.6957**, and if you desaturate by 10%, it is **55.6344, 64.2500, 91.1316**.

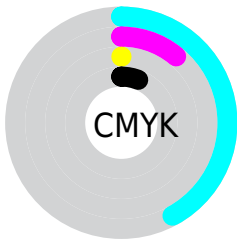
Distribution



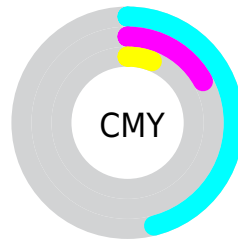
- Red (54%)
- Green (83%)
- Blue (94%)



- Red (54%)
- Yellow (71%)
- Blue (94%)



- Cyan (42%)
- Magenta (11%)
- Yellow (0%)
- Black (6%)





- Cyan (46%)
- Magenta (17%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.6047, 58.7222, 90.3814 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 49.6047, 58.7222, 90.3814 by changing the saturation by 10% instead.


 49.6047, 58.7222,
90.3814


 49.6047, 58.7222,
90.3814


375.5957,
419.8717, 549.8728

 35.3159, 42.3895,
67.7215


 88.7842, 102.9738,
149.8082

 24.0740, 29.4064,
49.2059


 114.4057,
131.6615, 187.4122

 15.5135, 19.3885,
34.4161


144.5354,
165.2364, 230.8347

 9.2692, 11.9513,
22.9335

179.5388,
204.0828, 280.4942

 4.9757, 6.7105,
14.3396

219.7812,
248.5851, 336.8092

 2.2676, 3.2817,
8.2158

265.6278,

 0.7780, 1.2805,

299.1278, 400.1983

4.1436

317.4442,
356.0952, 471.0800

■ 0.0000, 0.1261,
1.7044

■ 0.0000, 0.0000,
0.3638

■ 49.6047, 58.7222,
90.3814

■ 49.6047, 58.7222,
90.3814

■ 44.5119, 53.7738,
89.6957

■ 55.6344, 64.2500,
91.1316

■ 40.2920, 49.3669,
89.0675

■ 62.6486, 70.3789,
91.9449

■ 36.8815, 45.4688,
88.4949

■ 70.6981, 77.1375,
92.8252

■ 34.2051, 42.0398,
87.9741

■ 79.8286, 84.5502,
93.7748

■ 32.1724, 39.0321,
87.5006

■ 89.1551, 92.1620,
94.7524

■ 30.9322, 36.9360,
87.1614

■ 91.1104, 96.0726,
95.4042

■ 92.5802, 99.0121,
95.8941

Harmonies

Analogous

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



46.6779, 58.7222, 75.6618



49.6047, 58.7222, 90.3814



54.3324, 58.7222, 98.2844

Triad

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



49.6047, 58.7222, 90.3814



66.7835, 58.7222, 68.3150



52.0363, 58.7222, 40.0186

Complementary

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



49.6047, 58.7222, 90.3814



53.6404, 47.0972, 30.3100

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.



57.3216, 58.7222, 38.7017



49.6047, 58.7222, 90.3814



66.0699, 58.7222, 53.4934

Square

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



49.6047, 58.7222, 90.3814



64.4115, 58.7222, 84.2627



62.5203, 58.7222, 43.2328



48.0172, 58.7222, 47.1772

Rectangle

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



49.6047, 58.7222, 90.3814



57.9662, 58.7222, 97.8607



62.5203, 58.7222, 43.2328



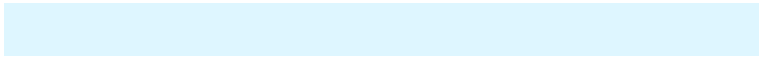
53.7151, 58.7222, 38.9301

Sweetspot

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



49.6065, 58.7245, 90.3828



81.1262, 88.7218, 107.4569



48.1347, 69.8518, 46.5131



16.9042, 18.6079, 22.9507



0.0000, 0.0000, 0.0000



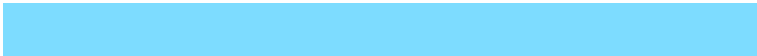
20.3446, 21.4041, 23.3091

Same Dimension

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



49.6065, 58.7245, 90.3828



52.1553, 62.8865, 103.9972



38.9070, 37.3253, 86.8163



15.8691, 17.1724, 20.1998



17.2072, 20.6386, 48.2046



1.5128, 1.8796, 4.0373

Inverse Universe

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



56.5703, 41.2829, 67.2765



61.5168, 41.0944, 72.5638



64.5963, 69.0090, 33.9620



16.2634, 15.9551, 18.9432



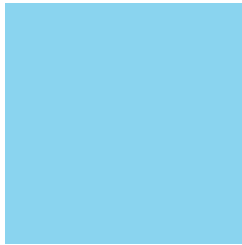
24.0110, 11.8768, 23.7723



2.0385, 1.0045, 2.1938

Previews

White Background



This preview shows how the XYZ color 49.6047, 58.7222, 90.3814 looks on a white background.

Color Contrast Check

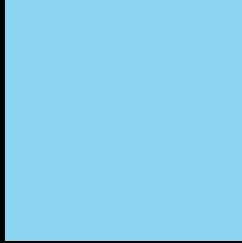
Large Text (above 18pt) WCAG AA × Fail

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 49.6047, 58.7222, 90.3814 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 49.6047, 58.7222, 90.3814

Background



This preview shows how black text looks on a background with the XYZ color 49.6047, 58.7222, 90.3814.



This preview shows how white text looks on a background with the XYZ color 49.6047, 58.7222,

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

49.6047, 58.7222, 90.3814

Protanopia

57.2120, 58.1621, 83.0739

Deuteranopia

59.3201, 58.0328, 92.0793



Tritanopia

48.3714, 58.5923, 84.3613

Trichromacy



Original Color

49.6047, 58.7222, 90.3814

Protanomaly

53.7564, 58.0676, 85.4657

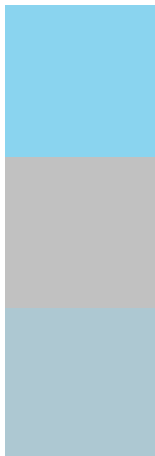
Deuteranomaly

55.1292, 57.9390, 91.4968

Tritanomaly

48.9621, 58.8474, 86.6200

Monochromacy



Original Color

49.6047, 58.7222, 90.3814

Achromatopsia

50.6879, 53.3276, 58.0738

Achromatomaly

49.5207, 54.8459, 68.9491

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.6047, 58.7222, 90.3814 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(138, 212, 239)` looks like.

```
.text, #text, p{  
    color:rgb(138, 212, 239)  
}
```

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(138, 212, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 212, 239) }
```

Border

The CSS property to change the border of an element to XYZ 49.6047, 58.7222, 90.3814 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(138, 212, 239) }
```


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

```
.border{ border-color:rgb(138, 212, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 212, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 212, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 212, 239);  
box-shadow:4px 4px 4px 4px rgb(138, 212,  
239) }
```

Background

The CSS property to change the background color of an element to XYZ 49.6047, 58.7222, 90.3814 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 212, 239) }
```

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

```
.background{ background-color: rgb(138,  
212, 239) }
```

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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