

Converting Colors

XYZ(46.1364, 59.2377, 89.8683)

Have a look what the booklet for
XYZ(46.1364, 59.2377, 89.8683)
contains.

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Color

**XYZ(46.0975, 59.1994,
89.8860)**

Conversions

Conversions Part 1

Format	Color
Hex	67DAEE
RGB	103, 218, 238
RGB Percent	40%, 85%, 93%
CMY	0.5961, 0.1451, 0.0667
CMYK	0.57, 0.08, 0.00, 0.07
HSL	189°, 80%, 67%
HSV	189°, 57%, 93%
XYZ	46.0975, 59.1994, 89.8860
YIQ	185.8950, -74.9600, -18.1600

Conversions

Conversions Part 2

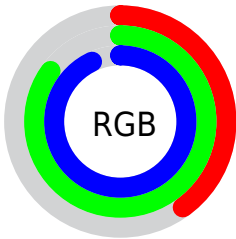
Format	Color
RYB	103, 165, 238
Decimal	6806254
CIELab	81.40, -26.99, -19.68
CIELCh	81, 33.407, 216.103
Yxy	59.1994, 0.2362, 0.3033
Android (android.graphics.Color)	4284996334 (0xFF67DAEE)
YUV	185.8950, 25.6878, -72.6989
Hunter-Lab	76.9411, -27.7029, -15.4064

Details

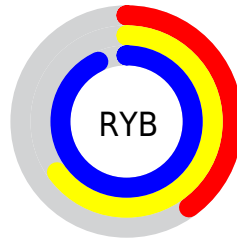
The XYZ color **46.0975, 59.1994, 89.8860** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **44.7924, 33.3238, 16.9049**, and the grayscale version is **46.5060, 48.9279, 53.2825**.

A 20% lighter version of the original color is **69.1198, 86.6325, 107.6865**, and **21.9667, 29.7914, 48.8485** is the 20% darker color. If you saturate the color by 10%, you get **42.8421, 56.1795, 89.4758**, and if you desaturate by 10%, it is **50.1528, 62.6631, 90.3419**.

Distribution



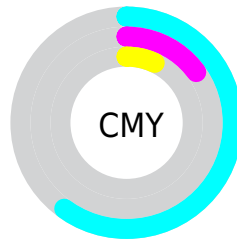
- Red (40%)
- Green (85%)
- Blue (93%)



- Red (40%)
- Yellow (65%)
- Blue (93%)



- Cyan (57%)
- Magenta (8%)
- Yellow (0%)
- Black (7%)





- Cyan (60%)
- Magenta (15%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.0975, 59.1994, 89.8860 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 46.0975, 59.1994, 89.8860 by changing the saturation by 10% instead.


 46.0975, 59.1994,
89.8860


 46.0975, 59.1994,
89.8860


361.9099,
421.6405, 548.2205


 32.5277, 42.7737,
67.3129


 83.5919, 103.6674,
149.1142

 21.9224, 29.7076,
48.8758


 108.2472,
132.4785, 186.6063

 13.9162, 19.6167,
34.1560


 137.3283,
166.1868, 229.9086

 8.1437, 12.1168,
22.7352

171.2007,
205.1767, 279.4395

 4.2396, 6.8232,
14.1946

210.2297,
249.8326, 335.6176

 1.8386, 3.3518,
8.1159

254.7807,

 0.5407, 1.3180,

300.5390, 398.8615

4.0803

305.2190,
357.6801, 469.5896

■ 0.0000, 0.1551,
1.6695

■ 0.0000, 0.0000,
0.3397

■ 46.0975, 59.1994,
89.8860

■ 46.0975, 59.1994,
89.8860

■ 42.8421, 56.1795,
89.4758

■ 50.1528, 62.6631,
90.3419

■ 40.3130, 53.5615,
89.1037


■ 55.0625, 66.5949,
90.8421


■ 38.4325, 51.3064,
88.7676


■ 60.8825, 71.0254,
91.3905


■ 37.0997, 49.3619,
88.4625


■ 67.6627, 75.9801,
91.9895


 36.7284, 48.7642,
88.3667

 75.4488, 81.4831,
92.6413

 84.2840, 87.5566,
93.3479

 88.6288, 91.3451,
93.8502

 89.6923, 93.4721,
94.2047

 90.7762, 95.6398,
94.5660

Harmonies

Analogous

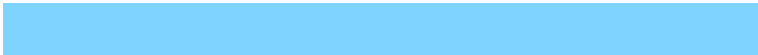
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



43.9402, 59.1994, 68.6351



46.0975, 59.1994, 89.8860



50.9995, 59.1994, 106.4134

Triad

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



46.0975, 59.1994, 89.8860



69.4629, 59.1994, 81.3308



54.8512, 59.1994, 33.2750

Complementary

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



46.0975, 59.1994, 89.8860



44.7924, 33.3238, 16.9049

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.



61.8857, 59.1994, 35.2964



46.0975, 59.1994, 89.8860



70.7078, 59.1994, 60.4541

Square

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



46.0975, 59.1994, 89.8860



64.5588, 59.1994, 100.8021



67.8325, 59.1994, 44.3442



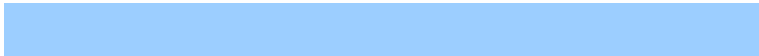
48.7179, 59.1994, 38.1052

Rectangle

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



46.0975, 59.1994, 89.8860



55.3593, 59.1994, 110.9587



67.8325, 59.1994, 44.3442



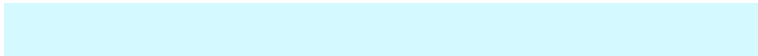
57.1851, 59.1994, 33.1920

Sweetspot

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



46.0994, 59.2016, 89.8874



78.8460, 88.6560, 107.5644



39.6207, 65.4145, 28.6290



16.5158, 18.7160, 22.9920



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.



46.0994, 59.2016, 89.8874



49.6009, 65.2078, 104.5799



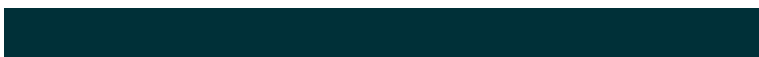
32.3374, 31.6777, 85.3001



16.0362, 17.5065, 20.2555



20.5658, 27.3559, 49.3242



1.7646, 2.3832, 4.1212

Inverse Universe

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



52.7666, 32.9413, 69.9092



58.4138, 32.9091, 77.6312



55.7998, 55.3386, 20.5741



16.3477, 15.9888, 19.3873



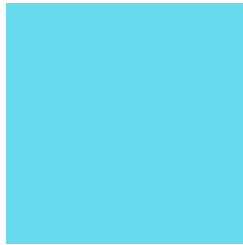
25.7063, 12.5549, 32.6996



2.1656, 1.0553, 2.8631

Previews

White Background



This preview shows how the XYZ color 46.0975, 59.1994, 89.8860 looks on a white background.

Color Contrast Check

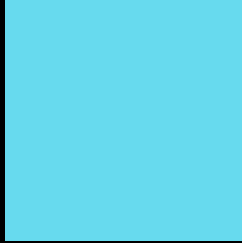
Large Text (above 18pt) WCAG AA × Fail

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 46.0975, 59.1994, 89.8860 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 46.0975, 59.1994, 89.8860

Background



This preview shows how black text looks on a background with the XYZ color 46.0975, 59.1994, 89.8860.

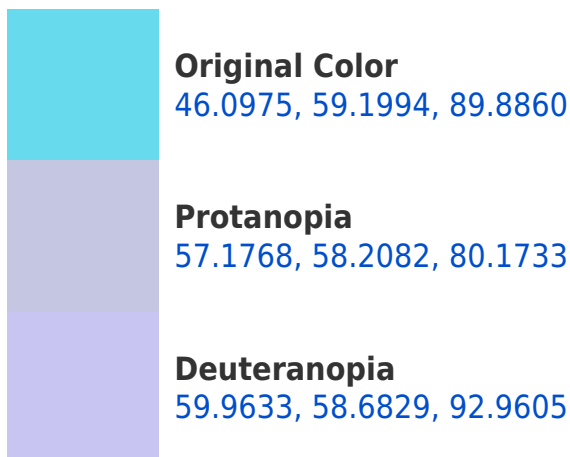


This preview shows how white text looks on a background with the XYZ color 46.0975, 59.1994,

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





Tritanopia

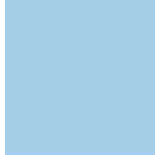
45.6912, 59.0237, 88.3414

Trichromacy



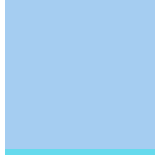
Original Color

46.0975, 59.1994, 89.8860



Protanomaly

51.4585, 57.6423, 83.2768



Deuteranomaly

53.2256, 58.0128, 91.6114



Tritanomaly

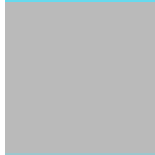
45.8370, 59.0820, 89.1089

Monochromacy



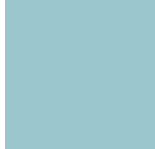
Original Color

46.0975, 59.1994, 89.8860



Achromatopsia

46.6715, 49.1021, 53.4722



Achromatomaly

44.9238, 51.8639, 65.4006

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.0975, 59.1994, 89.8860 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(103, 218, 238)` looks like.

```
.text, #text, p{  
    color:rgb(103, 218, 238)  
}
```

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(103, 218, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 218, 238) }
```

Border

The CSS property to change the border of an element to XYZ 46.0975, 59.1994, 89.8860 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(103, 218, 238) }
```


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

```
.border{ border-color:rgb(103, 218, 238) }
```

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

Here you see how a box with a 4 pixel rgb(103, 218, 238) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 218, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 218, 238);  
box-shadow:4px 4px 4px 4px rgb(103, 218,  
238) }
```

Background

The CSS property to change the background color of an element to XYZ 46.0975, 59.1994, 89.8860 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 218, 238) }
```

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

```
.background{ background-color: rgb(103,  
218, 238) }
```

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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