

Converting Colors

XYZ(45.9523, 48.6429, 86.3018)

Have a look what the booklet for
XYZ(45.9523, 48.6429, 86.3018)
contains.

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Color

**XYZ(45.8860, 48.6019,
86.3195)**

Conversions

Conversions Part 1

Format	Color
Hex	97BCEC
RGB	151, 188, 236
RGB Percent	59%, 74%, 93%
CMY	0.4078, 0.2627, 0.0745
CMYK	0.36, 0.20, 0.00, 0.07
HSL	214°, 69%, 76%
HSV	214°, 36%, 93%
XYZ	45.8860, 48.6019, 86.3195
YIQ	182.4090, -37.4600, 7.0840

Conversions

Conversions Part 2

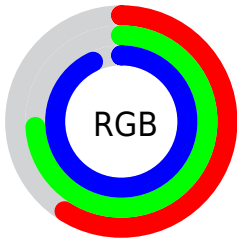
Format	Color
RYB	151, 177, 236
Decimal	9944300
CIELab	75.20, -0.88, -27.86
CIELCh	75, 27.870, 268.196
Yxy	48.6019, 0.2538, 0.2688
Android (android.graphics.Color)	4288134380 (0xFF97BCEC)
YUV	182.4090, 26.4204, -27.5457
Hunter-Lab	69.7151, -4.5138, -24.6109

Details

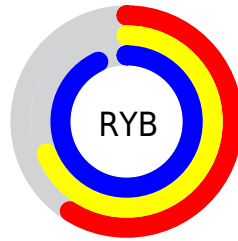
The XYZ color **45.8860, 48.6019, 86.3195** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **60.6023, 60.9148, 37.8433**, and the grayscale version is **44.5627, 46.8834, 51.0560**.

A 20% lighter version of the original color is **76.1328, 85.1868, 107.0378**, and **21.8320, 23.1646, 46.5006** is the 20% darker color. If you saturate the color by 10%, you get **39.2202, 41.1335, 85.2301**, and if you desaturate by 10%, it is **53.6945, 57.0518, 87.5398**.

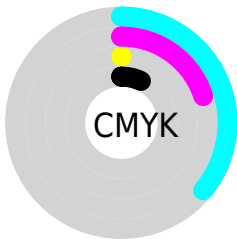
Distribution



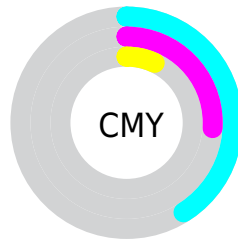
- Red (59%)
- Green (74%)
- Blue (93%)



- Red (59%)
- Yellow (69%)
- Blue (93%)



- Cyan (36%)
- Magenta (20%)
- Yellow (0%)
- Black (7%)



- Cyan (41%)
- Magenta (26%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.8860, 48.6019, 86.3195 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 45.8860, 48.6019, 86.3195 by changing the saturation by 10% instead.

■ 45.8860, 48.6019,
86.3195

■ 45.8860, 48.6019,
86.3195

361.0738,
381.1730, 536.2422

■ 32.3601, 34.3038,
64.3758

■ 83.2773, 88.0999,
144.1057

■ 21.7936, 23.1271,
46.5070

■ 107.8734,
114.0686, 180.7854

■ 13.8211, 14.6874,
32.2945

136.8902,
144.6962, 223.2140

■ 8.0772, 8.6003,
21.3199

170.6933,
180.3673, 271.8103

■ 4.1966, 4.4814,
13.1645

209.6478,
221.4661, 326.9927

■ 1.8139, 1.9463,
7.4099

254.1191,

■ 0.5261, 0.5760,

268.3770, 389.1798

3.6374

304.4727,
321.4845, 458.7901

■ 0.0000, 0.0000,
1.4286

■ 0.0000, 0.0000,
0.1639

■ 45.8860, 48.6019,
86.3195

■ 45.8860, 48.6019,
86.3195

■ 39.2202, 41.1335,
85.2301

■ 53.6945, 57.0518,
87.5398

■ 33.6327, 34.5997,
84.2635

■ 62.6961, 66.5161,
88.8922

■ 29.0595, 28.9576,
83.4155

■ 72.9436, 77.0328,
90.3820

■ 25.4269, 24.1577,
82.6805

■ 84.4851, 88.6361,
92.0133

■ 22.6501, 20.1443,
82.0522

■ 92.0250, 98.6052,
93.5402

■ 20.6252, 16.8510,
81.5232

■ 92.1405, 98.8362,
93.5787

■ 19.9642, 15.7037,
81.3366

Harmonies

Analogous

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



41.2078, 48.6019, 80.6151



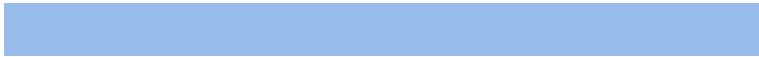
45.8860, 48.6019, 86.3195



50.9940, 48.6019, 81.7937

Triad

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



45.8860, 48.6019, 86.3195



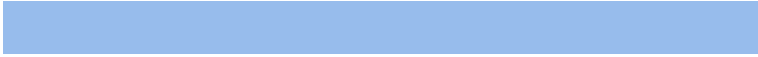
55.4061, 48.6019, 40.7067



38.3379, 48.6019, 39.4320

Complementary

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



45.8860, 48.6019, 86.3195



60.6023, 60.9148, 37.8433

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.



41.7063, 48.6019, 31.7923



45.8860, 48.6019, 86.3195



51.5684, 48.6019, 32.4272

Square

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



45.8860, 48.6019, 86.3195



56.7270, 48.6019, 53.8101



46.5047, 48.6019, 29.4832



37.0540, 48.6019, 52.0382

Rectangle

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



45.8860, 48.6019, 86.3195



53.9123, 48.6019, 73.9788



46.5047, 48.6019, 29.4832



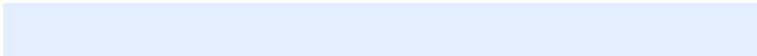
39.2511, 48.6019, 36.2915

Sweetspot

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



45.8876, 48.6038, 86.3206



80.6263, 85.3697, 106.8363



52.9234, 70.6370, 64.1212



16.9045, 17.9099, 22.8159



0.0000, 0.0000, 0.0000



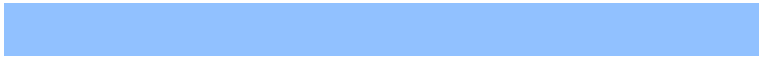
20.3446, 21.4041, 23.3091

Same Dimension

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



45.8876, 48.6038, 86.3206



48.8768, 51.4475, 101.9620



39.7739, 35.1842, 84.0526



14.7706, 15.6276, 19.1602



11.1281, 8.9032, 44.8749



0.9679, 0.8873, 3.5551

Inverse Universe

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



54.7371, 43.5984, 53.1093



61.0537, 45.4718, 56.0588



68.7800, 79.3402, 40.9687



15.3378, 15.1630, 17.0640



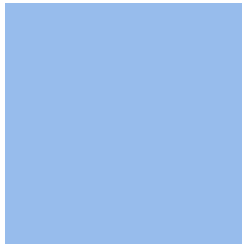
20.4722, 10.3916, 8.2882



1.6551, 0.8350, 0.9010

Previews

White Background



This preview shows how the XYZ color 45.8860, 48.6019, 86.3195 looks on a white background.

Color Contrast Check

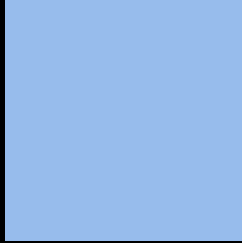
Large Text (above 18pt) WCAG AA × Fail

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 45.8860, 48.6019, 86.3195 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

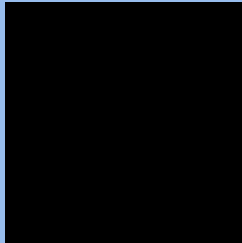
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

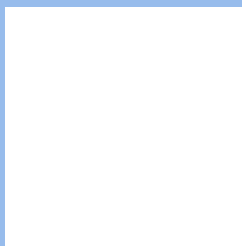
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.8860, 48.6019, 86.3195

Background



This preview shows how black text looks on a background with the XYZ color 45.8860, 48.6019, 86.3195.



This preview shows how white text looks on a background with the XYZ color 45.8860, 48.6019,

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

45.8860, 48.6019, 86.3195

Protanopia

48.7326, 48.5774, 83.1518

Deuteranopia

49.4891, 48.2761, 86.8306



Tritanopia

41.9567, 48.6233, 66.8484

Trichromacy



Original Color

45.8860, 48.6019, 86.3195

Protanomaly

47.5740, 48.5804, 83.9603

Deuteranomaly

48.1524, 48.5024, 86.9448

Tritanomaly

43.3183, 48.5266, 73.4131

Monochromacy



Original Color

45.8860, 48.6019, 86.3195

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

44.5957, 47.2032, 62.6378

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.8860, 48.6019, 86.3195 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(151, 188, 236)` looks like.

```
.text, #text, p{  
    color:rgb(151, 188, 236)  
}
```

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(151, 188, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 188, 236) }
```

Border

The CSS property to change the border of an element to XYZ 45.8860, 48.6019, 86.3195 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(151, 188, 236) }
```


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

```
.border{ border-color:rgb(151, 188, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 188, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 188, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 188, 236);  
box-shadow:4px 4px 4px 4px rgb(151, 188,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 45.8860, 48.6019, 86.3195 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 188, 236) }
```

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

```
.background{ background-color: rgb(151,  
188, 236) }
```

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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