

Converting Colors

XYZ(45.8044, 48.7928, 86.5194)

Have a look what the booklet for
XYZ(45.8044, 48.7928, 86.5194)
contains.

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Color

**XYZ(45.9156, 48.9354,
86.3823)**

Conversions

Conversions Part 1

Format	Color
Hex	96BDEC
RGB	150, 189, 236
RGB Percent	59%, 74%, 93%
CMY	0.4118, 0.2588, 0.0745
CMYK	0.36, 0.20, 0.00, 0.07
HSL	213°, 69%, 76%
HSV	213°, 36%, 93%
XYZ	45.9156, 48.9354, 86.3823
YIQ	182.6970, -38.3310, 6.3490

Conversions

Conversions Part 2

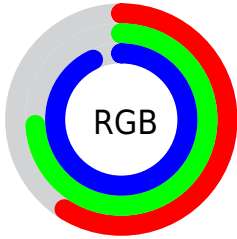
Format	Color
RYB	150, 177, 236
Decimal	9879020
CIELab	75.41, -1.69, -27.54
CIELCh	75, 27.594, 266.488
Yxy	48.9354, 0.2534, 0.2700
Android (android.graphics.Color)	4288069100 (0xFF96BDEC)
YUV	182.6970, 26.2784, -28.6753
Hunter-Lab	69.9538, -5.2572, -24.2464

Details

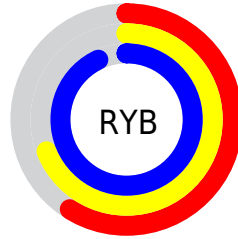
The XYZ color **45.9156, 48.9354, 86.3823** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **60.0643, 59.9682, 37.2650**, and the grayscale version is **44.7209, 47.0499, 51.2374**.

A 20% lighter version of the original color is **76.1560, 85.6466, 107.1253**, and **21.8662, 23.3904, 46.5423** is the 20% darker color. If you saturate the color by 10%, you get **39.3504, 41.6148, 85.3162**, and if you desaturate by 10%, it is **53.6052, 57.2040, 87.5739**.

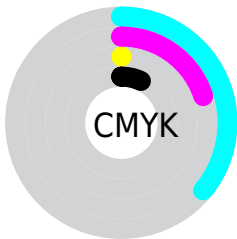
Distribution



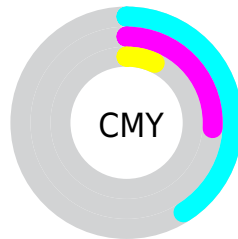
- Red (59%)
- Green (74%)
- Blue (93%)



- 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 45.9156, 48.9354, 86.3823 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 45.9156, 48.9354, 86.3823 by changing the saturation by 10% instead.

■ 45.9156, 48.9354,
86.3823

■ 45.9156, 48.9354,
86.3823

361.1909,
382.4879, 536.4544

■ 32.3836, 34.5682,
64.4274

■ 83.3213, 88.5955,
144.1941

■ 21.8116, 23.3305,
46.5486

■ 107.9257,
114.6572, 180.8882

■ 13.8344, 14.8377,
32.3271

136.9516,
145.3859, 223.3324

■ 8.0865, 8.7056,
21.3446

170.7643,
181.1660, 271.9452

■ 4.2026, 4.5496,
13.1824

209.7292,
222.3819, 327.1453

■ 1.8174, 1.9855,
7.4221

254.2117,

■ 0.5281, 0.5990,

269.4179, 389.3512

3.6450

304.5772,
322.6584, 458.9814

■ 0.0000, 0.0000,
1.4327

■ 0.0000, 0.0000,
0.1670

■ 45.9156, 48.9354,
86.3823

■ 45.9156, 48.9354,
86.3823

■ 39.3504, 41.6148,
85.3162

■ 53.6052, 57.2040,
87.5739

■ 33.8458, 35.1967,
84.3675

■ 62.4690, 66.4523,
88.8918

■ 29.3379, 29.6393,
83.5324

■ 72.5594, 76.7172,
90.3413

■ 25.7539, 24.8947,
82.8055

■ 83.9242, 88.0318,
91.9263

■ 23.0088, 20.9084,
82.1807

■ 91.6609, 97.8770,
93.4188

■ 20.9979, 17.6148,
81.6510

■ 92.1405, 98.8362,
93.5787

■ 20.4009, 16.5771,
81.4822

Harmonies

Analogous

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



41.3223, 48.9354, 80.1888



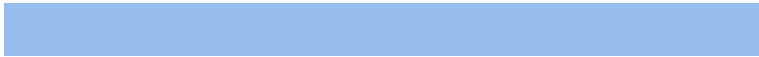
45.9156, 48.9354, 86.3823



51.0077, 48.9354, 82.4613

Triad

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



45.9156, 48.9354, 86.3823



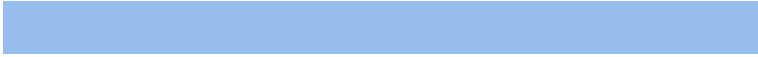
55.8176, 48.9354, 41.7493



38.8304, 48.9354, 39.2762

Complementary

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



45.9156, 48.9354, 86.3823



60.0643, 59.9682, 37.2650

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.



42.2879, 48.9354, 31.9538



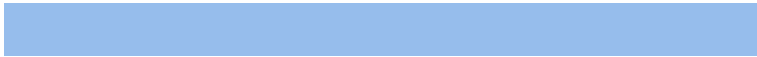
45.9156, 48.9354, 86.3823



52.1182, 48.9354, 33.1885

Square

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



45.9156, 48.9354, 86.3823



56.9631, 48.9354, 55.0151



47.1128, 48.9354, 29.9456



37.4238, 48.9354, 51.5863

Rectangle

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



45.9156, 48.9354, 86.3823



53.9647, 48.9354, 74.9673



47.1128, 48.9354, 29.9456



39.7785, 48.9354, 36.2429

Sweetspot

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



45.9172, 48.9373, 86.3834



80.7760, 85.6692, 106.8862



52.5230, 70.4555, 62.9774



16.9401, 17.9812, 22.8278



0.0000, 0.0000, 0.0000



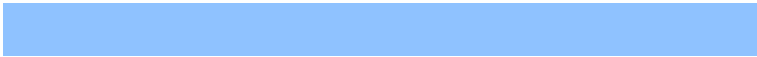
20.3446, 21.4041, 23.3091

Same Dimension

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



45.9172, 48.9373, 86.3834



48.5643, 51.4843, 101.9856



39.1598, 34.6298, 83.9780



14.7938, 15.6741, 19.1679



11.3709, 9.3889, 44.9559



0.9879, 0.9272, 3.5618

Inverse Universe

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



54.6851, 43.3212, 53.6257



60.7345, 44.7257, 56.2842



69.1493, 79.5399, 40.5639



15.3495, 15.1676, 17.1257



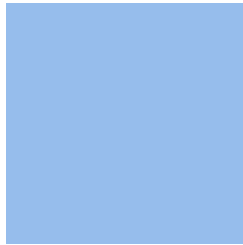
20.5948, 10.4406, 8.9336



1.6651, 0.8390, 0.9540

Previews

White Background



This preview shows how the XYZ color 45.9156, 48.9354, 86.3823 looks on a white background.

Color Contrast Check

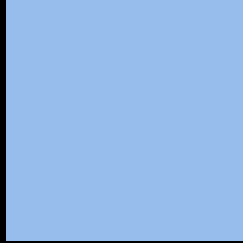
Large Text (above 18pt) WCAG AA × Fail

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 45.9156, 48.9354, 86.3823 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

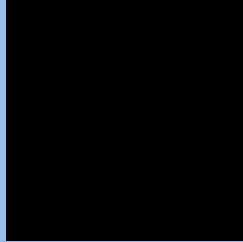
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

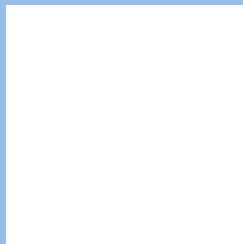
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.9156, 48.9354, 86.3823

Background



This preview shows how black text looks on a background with the XYZ color 45.9156, 48.9354, 86.3823.



This preview shows how white text looks on a background with the XYZ color 45.9156, 48.9354,

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

45.9156, 48.9354, 86.3823

Protanopia

48.7326, 48.5774, 83.1518

Deuteranopia

50.0651, 48.8591, 87.6809



Tritanopia

42.1281, 49.0267, 67.5643

Trichromacy



Original Color

45.9156, 48.9354, 86.3823

Protanomaly

47.5740, 48.5804, 83.9603

Deuteranomaly

48.5714, 49.0278, 87.0241

Tritanomaly

43.4899, 48.9247, 74.1691

Monochromacy



Original Color

45.9156, 48.9354, 86.3823

Achromatopsia

45.0092, 47.3531, 51.5676

Achromatomaly

44.8042, 47.6201, 62.7073

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.9156, 48.9354, 86.3823 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(150, 189, 236)` looks like.

```
.text, #text, p{  
    color:rgb(150, 189, 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(150, 189, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 189, 236) }
```

Border

The CSS property to change the border of an element to XYZ 45.9156, 48.9354, 86.3823 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(150, 189, 236) }
```


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

```
.border{ border-color:rgb(150, 189, 236) }
```

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

Here you see how a box with a 4 pixel rgb(150, 189, 236) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 189, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 189, 236);  
box-shadow:4px 4px 4px 4px rgb(150, 189,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 45.9156, 48.9354, 86.3823 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 189, 236) }
```

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

```
.background{ background-color: rgb(150,  
189, 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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