

Converting Colors

XYZ(48.7469, 56.4979, 88.4147)

Have a look what the booklet for
XYZ(48.7469, 56.4979, 88.4147)
contains.

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Color

**XYZ(48.7542, 56.4909,
88.4550)**

Conversions

Conversions Part 1

Format	Color
Hex	8ECFED
RGB	142, 207, 237
RGB Percent	56%, 81%, 93%
CMY	0.4431, 0.1882, 0.0706
CMYK	0.40, 0.13, 0.00, 0.07
HSL	199°, 73%, 74%
HSV	199°, 40%, 93%
XYZ	48.7542, 56.4909, 88.4550
YIQ	190.9850, -48.3700, -4.4500

Conversions

Conversions Part 2

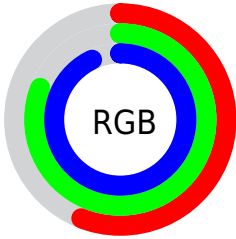
Format	Color
RYB	142, 181, 237
Decimal	9359341
CIELab	79.89, -13.08, -21.29
CIELCh	80, 24.984, 238.424
Yxy	56.4909, 0.2517, 0.2916
Android (android.graphics.Color)	4287549421 (0xFF8ECFED)
YUV	190.9850, 22.6854, -42.9598
Hunter-Lab	75.1604, -15.7434, -17.1651

Details

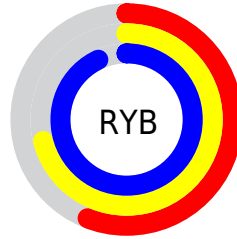
The XYZ color **48.7542, 56.4909, 88.4550** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **54.5611, 49.4635, 32.2644**, and the grayscale version is **49.4068, 51.9798, 56.6060**.

A 20% lighter version of the original color is **77.3632, 90.8821, 108.0723**, and **23.5695, 28.0971, 47.8971** is the 20% darker color. If you saturate the color by 10%, you get **43.3420, 51.0739, 87.6957**, and if you desaturate by 10%, it is **55.1203, 62.5299, 89.2861**.

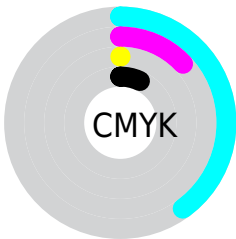
Distribution



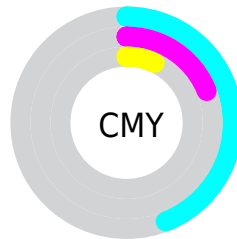
- Red (56%)
- Green (81%)
- Blue (93%)



- Red (56%)
- Yellow (71%)
- Blue (93%)



- Cyan (40%)
- Magenta (13%)
- Yellow (0%)
- Black (7%)



- Cyan (44%)
- Magenta (19%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.7542, 56.4909, 88.4550 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 48.7542, 56.4909, 88.4550 by changing the saturation by 10% instead.

■ 48.7542, 56.4909,
88.4550

■ 48.7542, 56.4909,
88.4550

372.3069,
411.5389, 543.4320

■ 34.6383, 40.5966,
66.1335

■ 87.5292, 99.7220,
147.1072

■ 23.5496, 28.0040,
47.9236

■ 112.9190,
127.8276, 184.2749

■ 15.1228, 18.3287,
33.4068

142.7974,
160.7724, 227.2284

■ 8.9925, 11.1862,
22.1646

177.5299,
198.9409, 276.3862

■ 4.7933, 6.1922,
13.7784

217.4817,
242.7173, 332.1670

■ 2.1600, 2.9623,
7.8297

263.0182,

■ 0.7215, 1.1121,

292.4862, 394.9892

3.9000

314.5048,
348.6320, 465.2713

■ 0.0000, 0.0000,
1.5706

■ 0.0000, 0.0000,
0.2697

■ 48.7542, 56.4909,
88.4550

■ 48.7542, 56.4909,
88.4550

■ 43.3420, 51.0739,
87.6957

■ 55.1203, 62.5299,
89.2861

■ 38.8220, 46.2413,
87.0011

■ 62.4866, 69.2125,
90.1877

■ 35.1331, 41.9613,
86.3694

■ 70.9025, 76.5671,
91.1638

■ 32.2036, 38.1950,
85.7968

■ 80.4126, 84.6185,
92.2166

■ 29.9482, 34.8966,
85.2791

■ 89.0044, 92.3307,
93.2524

■ 28.2353, 32.0126,
84.8127

■ 91.3074, 96.9368,
94.0200

■ 92.2863, 98.8945,
94.3463

Harmonies

Analogous

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



45.5772, 56.4909, 75.7595



48.7542, 56.4909, 88.4550



53.4255, 56.4909, 93.8059

Triad

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



48.7542, 56.4909, 88.4550



64.0257, 56.4909, 62.2792



49.1905, 56.4909, 40.1004

Complementary

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



48.7542, 56.4909, 88.4550



54.5611, 49.4635, 32.2644

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.



53.9612, 56.4909, 37.6333



48.7542, 56.4909, 88.4550



62.7190, 56.4909, 49.1679

Square

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



48.7542, 56.4909, 88.4550



62.4224, 56.4909, 77.2962



58.9544, 56.4909, 40.6798



45.8177, 56.4909, 48.0325

Rectangle

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



48.7542, 56.4909, 88.4550



56.8293, 56.4909, 91.9387



58.9544, 56.4909, 40.6798



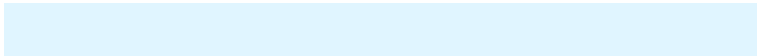
50.6741, 56.4909, 38.6651

Sweetspot

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



48.7560, 56.4931, 88.4563



81.6692, 88.6404, 107.4126



48.7440, 69.2416, 49.0761



17.1932, 18.7235, 22.9578



0.0000, 0.0000, 0.0000



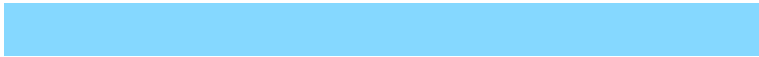
20.3446, 21.4041, 23.3091

Same Dimension

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



48.7560, 56.4931, 88.4563



52.3053, 61.4650, 103.7149



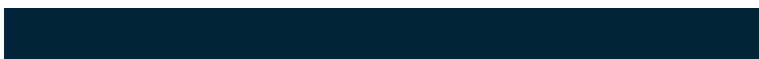
39.1877, 37.3565, 85.2669



15.0933, 16.2730, 19.2678



15.5382, 17.7233, 46.3450



1.3058, 1.5630, 3.6677

Inverse Universe

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



55.8620, 41.8571, 64.1689



62.0128, 42.9017, 70.2153



64.8802, 70.1016, 35.7041



15.5006, 15.2281, 17.9216



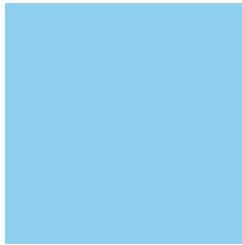
22.6982, 11.2820, 20.0101



1.8256, 0.9032, 1.7989

Previews

White Background



This preview shows how the XYZ color 48.7542, 56.4909, 88.4550 looks on a white background.

Color Contrast Check

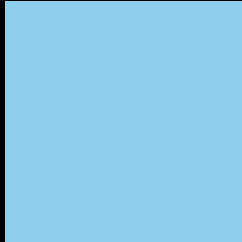
Large Text (above 18pt) WCAG AA × Fail

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 48.7542, 56.4909, 88.4550 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 48.7542, 56.4909, 88.4550

Background



This preview shows how black text looks on a background with the XYZ color 48.7542, 56.4909, 88.4550.



This preview shows how white text looks on a background with the XYZ color 48.7542, 56.4909,

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

48.7542, 56.4909, 88.4550

Protanopia

55.3686, 56.2134, 82.0608

Deuteranopia

57.3038, 56.0333, 90.2333



Tritanopia

47.1754, 56.5809, 80.3863

Trichromacy



Original Color

48.7542, 56.4909, 88.4550

Protanomaly

52.4533, 56.0190, 84.3921

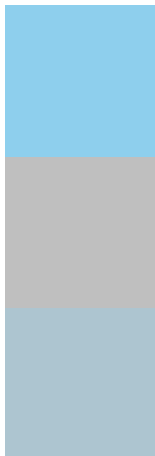
Deuteranomaly

53.6786, 55.8503, 89.6124

Tritanomaly

47.6540, 56.4004, 83.2376

Monochromacy



Original Color

48.7542, 56.4909, 88.4550

Achromatopsia

49.5206, 52.0996, 56.7364

Achromatomaly

48.5850, 53.3708, 67.4154

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.7542, 56.4909, 88.4550 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(142, 207, 237)` looks like.

```
.text, #text, p{  
    color:rgb(142, 207, 237)  
}
```

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(142, 207, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 207, 237) }
```

Border

The CSS property to change the border of an element to XYZ 48.7542, 56.4909, 88.4550 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(142, 207, 237) }
```


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

```
.border{ border-color:rgb(142, 207, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 207, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 207, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 207, 237);  
box-shadow:4px 4px 4px 4px rgb(142, 207,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 48.7542, 56.4909, 88.4550 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 207, 237) }
```

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

```
.background{ background-color: rgb(142,  
207, 237) }
```

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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