

Converting Colors

XYZ(49.3008, 58.5198, 84.6703)

Have a look what the booklet for
XYZ(49.3008, 58.5198, 84.6703)
contains.

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Color

**XYZ(49.4367, 58.7528,
85.0788)**

Conversions

Conversions Part 1

Format	Color
Hex	8FD4E8
RGB	143, 212, 232
RGB Percent	56%, 83%, 91%
CMY	0.4392, 0.1686, 0.0902
CMYK	0.38, 0.09, 0.00, 0.09
HSL	193°, 66%, 74%
HSV	193°, 38%, 91%
XYZ	49.4367, 58.7528, 85.0788
YIQ	193.6490, -47.5440, -8.4080

Conversions

Conversions Part 2

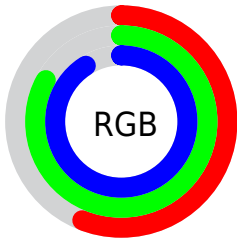
Format	Color
RYB	143, 182, 232
Decimal	9426152
CIELab	81.16, -16.67, -16.70
CIELCh	81, 23.596, 225.059
Yxy	58.7528, 0.2558, 0.3040
Android (android.graphics.Color)	4287616232 (0xFF8FD4E8)
YUV	193.6490, 18.9070, -44.4192
Hunter-Lab	76.6504, -19.0122, -12.1542

Details

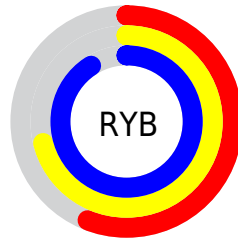
The XYZ color **49.4367, 58.7528, 85.0788** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **51.3349, 45.3344, 32.0330**, and the grayscale version is **50.9843, 53.6395, 58.4134**.

A 20% lighter version of the original color is **77.6294, 91.0194, 108.0847**, and **23.9179, 29.3232, 45.4736** is the 20% darker color. If you saturate the color by 10%, you get **44.5464, 54.3296, 84.4838**, and if you desaturate by 10%, it is **55.2032, 63.6929, 85.7294**.

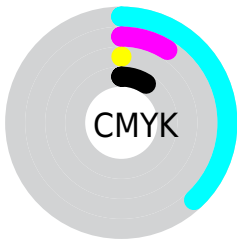
Distribution



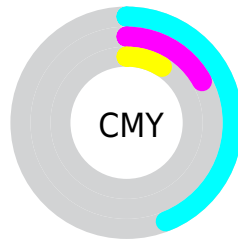
- Red (56%)
- Green (83%)
- Blue (91%)



- Red (56%)
- Yellow (71%)
- Blue (91%)



- Cyan (38%)
- Magenta (9%)
- Yellow (0%)
- Black (9%)



- Cyan (44%)
- Magenta (17%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.4367, 58.7528, 85.0788 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 49.4367, 58.7528, 85.0788 by changing the saturation by 10% instead.

■ 49.4367, 58.7528,
85.0788

■ 49.4367, 58.7528,
85.0788

374.9475,
419.9852, 532.0402

■ 35.1820, 42.4142,
63.3560

■ 88.5365, 103.0183,
142.3584

■ 23.9703, 29.4257,
45.6864

■ 114.1124,
131.7139, 178.7523

■ 15.4362, 19.4031,
31.6515

144.1926,
165.2974, 220.8735

■ 9.2144, 11.9619,
20.8329

179.1426,
204.1530, 269.1408

■ 4.9395, 6.7178,
12.8118

219.3278,
248.6652, 323.9725

■ 2.2462, 3.2862,
7.1699

265.1134,

■ 0.7669, 1.2829,

299.2184, 385.7873

3.4885

316.8648,
356.1969, 455.0037

■ 0.0000, 0.1279,
1.3492

■ 0.0000, 0.0000,
0.1016

■ 49.4367, 58.7528,
85.0788

■ 49.4367, 58.7528,
85.0788

■ 44.5464, 54.3296,
84.4838

■ 55.2032, 63.6929,
85.7294

■ 40.4749, 50.3890,
83.9378

■ 61.8880, 69.1681,
86.4339

■ 37.1663, 46.9030,
83.4393

■ 69.5370, 75.2039,
87.1958

■ 34.5550, 43.8372,
82.9852

■ 78.1911, 81.8221,
88.0171

■ 32.5637, 41.1511,
82.5717

■ 86.4004, 88.2756,
88.8301

■ 31.0813, 38.7869,
82.1935

■ 87.9408, 91.3565,
89.3436

■ 30.8608, 38.4166,
82.1336

■ 89.5256, 94.5260,
89.8718

■ 91.1550, 97.7849,
90.4150

■ 91.5657, 98.6063,
90.5519

Harmonies

Analogous

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



47.2143, 58.7528, 71.2557



49.4367, 58.7528, 85.0788



53.4441, 58.7528, 93.8083

Triad

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



49.4367, 58.7528, 85.0788



65.4687, 58.7528, 71.1983



53.4260, 58.7528, 41.2561

Complementary

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



49.4367, 58.7528, 85.0788



51.3349, 45.3344, 32.0330

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.



58.3121, 58.7528, 41.2454



49.4367, 58.7528, 85.0788



65.4632, 58.7528, 57.2021

Square

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



49.4367, 58.7528, 85.0788



62.7944, 58.7528, 85.0315



62.7796, 58.7528, 46.6808



49.4241, 58.7528, 46.7125

Rectangle

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



49.4367, 58.7528, 85.0788



56.6792, 58.7528, 94.8560



62.7796, 58.7528, 46.6808



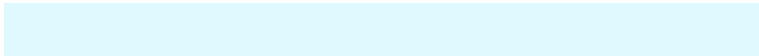
55.0146, 58.7528, 40.6447

Sweetspot

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



49.4385, 58.7551, 85.0802



82.5202, 90.3425, 107.6963



46.7326, 66.1729, 44.6259



17.3942, 19.1255, 23.0248



0.0000, 0.0000, 0.0000



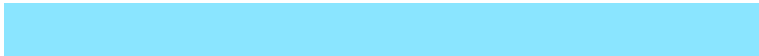
20.3446, 21.4041, 23.3091

Same Dimension

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



49.4385, 58.7551, 85.0802



56.4022, 68.4388, 104.8450



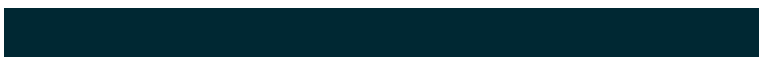
39.9374, 39.7529, 81.9131



14.5184, 15.7581, 18.4208



17.2309, 21.5238, 45.6295



1.3409, 1.7258, 3.3944

Inverse Universe

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



54.9864, 41.5559, 67.4128



64.3785, 44.9882, 79.1579



60.4983, 63.6611, 35.0875



14.8492, 14.5569, 17.4065



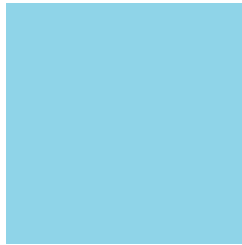
23.0909, 11.3706, 25.1711



1.7405, 0.8539, 2.0398

Previews

White Background



This preview shows how the XYZ color 49.4367, 58.7528, 85.0788 looks on a white background.

Color Contrast Check

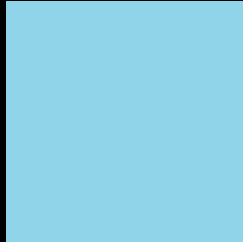
Large Text (above 18pt) WCAG AA × Fail

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 49.4367, 58.7528, 85.0788 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 49.4367, 58.7528, 85.0788

Background



This preview shows how black text looks on a background with the XYZ color 49.4367, 58.7528, 85.0788.



This preview shows how white text looks on a background with the XYZ color 49.4367, 58.7528,

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

49.4367, 58.7528, 85.0788

Protanopia

56.9039, 58.0990, 78.7361

Deuteranopia

59.3639, 58.1745, 86.6973



Tritanopia

48.8417, 58.4949, 82.8452

Trichromacy



Original Color

49.4367, 58.7528, 85.0788

Protanomaly

53.5895, 58.0789, 81.0589

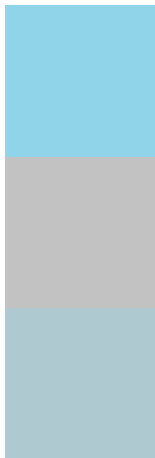
Deuteranomaly

55.0279, 58.0053, 86.1378

Tritanomaly

48.9817, 58.5509, 83.5828

Monochromacy



Original Color

49.4367, 58.7528, 85.0788

Achromatopsia

51.2775, 53.9479, 58.7493

Achromatomaly

49.9510, 55.4413, 67.7431

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.4367, 58.7528, 85.0788 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(143, 212, 232)` looks like.

```
.text, #text, p{  
    color:rgb(143, 212, 232)  
}
```

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(143, 212, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 212, 232) }
```

Border

The CSS property to change the border of an element to XYZ 49.4367, 58.7528, 85.0788 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(143, 212, 232) }
```


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

```
.border{ border-color:rgb(143, 212, 232) }
```

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

Here you see how a box with a 4 pixel rgb(143, 212, 232) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 212, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 212, 232);  
box-shadow:4px 4px 4px 4px rgb(143, 212,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 49.4367, 58.7528, 85.0788 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 212, 232) }
```

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

```
.background{ background-color: rgb(143,  
212, 232) }
```

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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