

Converting Colors

XYZ(49.0714, 57.6599, 86.3856)

Have a look what the booklet for
XYZ(49.0714, 57.6599, 86.3856)
contains.

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Color

**XYZ(49.2256, 57.8733,
86.4181)**

Conversions

Conversions Part 1

Format	Color
Hex	8FD2EA
RGB	143, 210, 234
RGB Percent	56%, 82%, 92%
CMY	0.4392, 0.1765, 0.0823
CMYK	0.39, 0.10, 0.00, 0.08
HSL	196°, 68%, 74%
HSV	196°, 39%, 92%
XYZ	49.2256, 57.8733, 86.4181
YIQ	192.7030, -47.6360, -6.7400

Conversions

Conversions Part 2

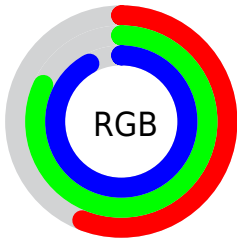
Format	Color
R _Y B	143, 182, 234
Decimal	9425642
CIE Lab	80.67, -15.14, -18.50
CIE LCh	81, 23.909, 230.708
Yxy	57.8733, 0.2544, 0.2991
Android (android.graphics.Color)	4287615722 (0xFF8FD2EA)
YUV	192.7030, 20.3594, -43.5895
Hunter-Lab	76.0745, -17.6282, -14.0993

Details

The XYZ color **49.2256, 57.8733, 86.4181** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **52.7095, 47.1142, 32.3042**, and the grayscale version is **50.4201, 53.0459, 57.7670**.

A 20% lighter version of the original color is **77.6294, 91.0194, 108.0847**, and **23.7817, 28.7317, 46.4118** is the 20% darker color. If you saturate the color by 10%, you get **44.0955, 53.0115, 85.7511**, and if you desaturate by 10%, it is **55.2629, 63.2926, 87.1469**.

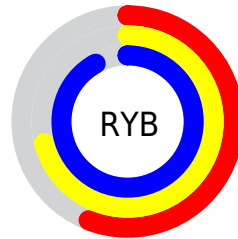
Distribution



Red (56%)

Green (82%)

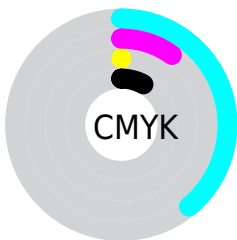
Blue (92%)



Red (56%)

Yellow (71%)

Blue (92%)

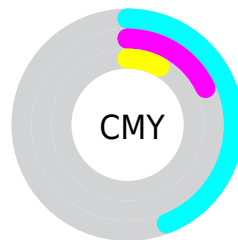


Cyan (39%)

Magenta (10%)

Yellow (0%)

Black (8%)



Cyan (44%)

Magenta (18%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.2256, 57.8733, 86.4181 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 49.2256, 57.8733, 86.4181 by changing the saturation by 10% instead.

■ 49.2256, 57.8733,
86.4181

■ 49.2256, 57.8733,
86.4181

374.1320,
416.7137, 536.5753

■ 35.0137, 41.7068,
64.4569

■ 88.2251, 101.7383,
144.2445

■ 23.8400, 28.8718,
46.5723

■ 113.7435,
130.2057, 180.9468

■ 15.3391, 18.9838,
32.3457

143.7615,
163.5420, 223.3998

■ 9.1456, 11.6586,
21.3587

178.6443,
202.1319, 272.0221

■ 4.8941, 6.5117,
13.1927

218.7575,
246.3596, 327.2323

■ 2.2194, 3.1586,
7.4291

264.4662,

■ 0.7529, 1.2151,

296.6095, 389.4489

3.6494

316.1360,
353.2661, 459.0904

■ 0.0000, 0.0740,
1.4350

■ 0.0000, 0.0000,
0.1688

■ 49.2256, 57.8733,
86.4181

■ 49.2256, 57.8733,
86.4181

■ 44.0955, 53.0115,
85.7511

■ 55.2629, 63.2926,
87.1469

■ 39.8136, 48.6720,
85.1391

■ 62.2511, 69.2890,
87.9360

■ 36.3222, 44.8252,
84.5807

■ 70.2373, 75.8890,
88.7891

■ 33.5535, 41.4352,
84.0723

■ 79.2638, 83.1153,
89.7081

■ 31.4273, 38.4598,
83.6100

■ 87.5051, 90.0278,
90.6080

■ 29.8232, 35.8357,
83.1880

■ 89.3615, 93.7406,
91.2268

■ 29.6593, 35.5562,
83.1427

■ 91.2803, 97.5783,
91.8664

■ 91.8515, 98.7206,
92.0568

Harmonies

Analogous

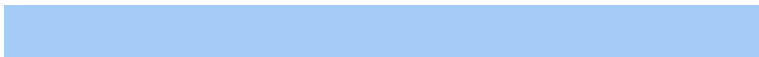
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



46.6165, 57.8733, 73.0979



49.2256, 57.8733, 86.4181



53.4920, 57.8733, 93.7443

Triad

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



49.2256, 57.8733, 86.4181



64.8907, 57.8733, 67.4953



51.7261, 57.8733, 40.8992

Complementary

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



49.2256, 57.8733, 86.4181



52.7095, 47.1142, 32.3042

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.



56.5500, 57.8733, 39.8616



49.2256, 57.8733, 86.4181



64.3480, 57.8733, 53.9033

Square

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



49.2256, 57.8733, 86.4181



62.6654, 57.8733, 81.7951



61.2239, 57.8733, 44.2704



47.9992, 57.8733, 47.3535

Rectangle

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



49.2256, 57.8733, 86.4181



56.7850, 57.8733, 93.5928



61.2239, 57.8733, 44.2704



53.2662, 57.8733, 39.9473

Sweetspot

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



49.2274, 57.8756, 86.4195



82.1540, 89.6101, 107.5742



47.6120, 67.4306, 46.4640



17.3076, 18.9525, 22.9959



0.0000, 0.0000, 0.0000



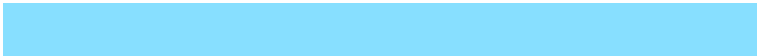
20.3446, 21.4041, 23.3091

Same Dimension

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



49.2274, 57.8756, 86.4195



54.5586, 65.3690, 104.3497



39.7714, 38.9636, 83.2675



15.1621, 16.4106, 19.2907



16.7747, 20.1965, 46.7572



1.3950, 1.7414, 3.6975

Inverse Universe

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



55.3885, 41.7922, 66.1225



63.2973, 43.9788, 75.2428



62.2473, 66.1899, 35.4835



15.5354, 15.2420, 18.1045



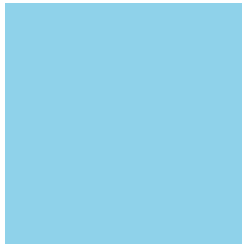
23.3224, 11.5317, 23.2969



1.8706, 0.9212, 2.0360

Previews

White Background



This preview shows how the XYZ color 49.2256, 57.8733, 86.4181 looks on a white background.

Color Contrast Check

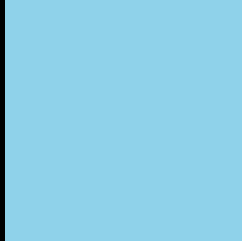
Large Text (above 18pt) WCAG AA × Fail

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 49.2256, 57.8733, 86.4181 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

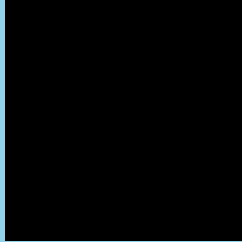
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.2256, 57.8733, 86.4181

Background



This preview shows how black text looks on a background with the XYZ color 49.2256, 57.8733, 86.4181.



This preview shows how white text looks on a background with the XYZ color 49.2256, 57.8733,

86.4181.

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

49.2256, 57.8733, 86.4181

Protanopia

56.4272, 57.4813, 80.0725

Deuteranopia

58.6206, 57.4240, 88.1151



Tritanopia

48.2824, 57.8527, 82.0207

Trichromacy



Original Color

49.2256, 57.8733, 86.4181

Protanomaly

53.1679, 57.1283, 82.3534

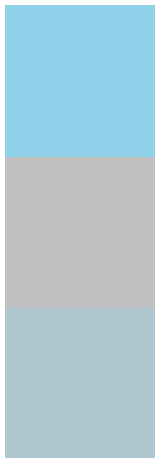
Deuteranomaly

54.3850, 56.9484, 87.4826

Tritanomaly

48.7325, 58.0525, 83.4997

Monochromacy



Original Color

49.2256, 57.8733, 86.4181

Achromatopsia

50.6879, 53.3276, 58.0738

Achromatomaly

49.4878, 54.5149, 67.5886

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.2256, 57.8733, 86.4181 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, 210, 234)` looks like.

```
.text, #text, p{  
    color:rgb(143, 210, 234)  
}
```

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, 210, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 210, 234) }
```

Border

The CSS property to change the border of an element to XYZ 49.2256, 57.8733, 86.4181 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, 210, 234) }
```


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

```
.border{ border-color:rgb(143, 210, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(143, 210, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 210, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 210, 234);  
box-shadow:4px 4px 4px 4px rgb(143, 210,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 49.2256, 57.8733, 86.4181 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 210, 234) }
```

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

```
.background{ background-color: rgb(143,  
210, 234) }
```

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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