

Converting Colors

XYZ(48.9884, 59.5255, 87.7380)

Have a look what the booklet for
XYZ(48.9884, 59.5255, 87.7380)
contains.

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Color

**XYZ(48.9687, 59.5856,
87.5175)**

Conversions

Conversions Part 1

Format	Color
Hex	85D7EB
RGB	133, 215, 235
RGB Percent	52%, 84%, 92%
CMY	0.4784, 0.1568, 0.0784
CMYK	0.43, 0.09, 0.00, 0.08
HSL	192°, 72%, 72%
HSV	192°, 43%, 92%
XYZ	48.9687, 59.5856, 87.5175
YIQ	192.7620, -55.2920, -11.1640

Conversions

Conversions Part 2

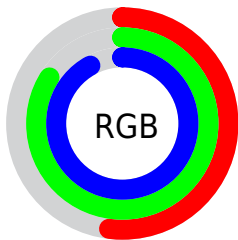
Format	Color
RYB	133, 178, 235
Decimal	8771563
CIELab	81.61, -19.91, -17.66
CIELCh	82, 26.612, 221.569
Yxy	59.5856, 0.2497, 0.3039
Android (android.graphics.Color)	4286961643 (0xFF85D7EB)
YUV	192.7620, 20.8233, -52.4113
Hunter-Lab	77.1917, -21.8491, -13.1869

Details

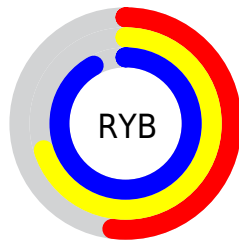
The XYZ color **48.9687, 59.5856, 87.5175** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **49.8869, 42.1391, 27.6963**, and the grayscale version is **50.4553, 53.0829, 57.8073**.

A 20% lighter version of the original color is **75.0452, 89.6871, 107.9638**, and **23.6091, 29.8921, 47.1733** is the 20% darker color. If you saturate the color by 10%, you get **44.5090, 55.5706, 86.9786**, and if you desaturate by 10%, it is **54.2950, 64.0991, 88.1090**.

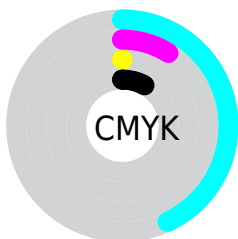
Distribution



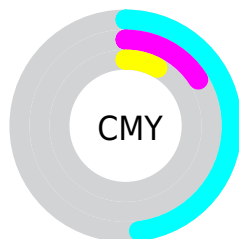
- Red (52%)
- Green (84%)
- Blue (92%)



- Red (52%)
- Yellow (70%)
- Blue (92%)



- Cyan (43%)
- Magenta (9%)
- Yellow (0%)
- Black (8%)



- Cyan (48%)
- Magenta (16%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.9687, 59.5856, 87.5175 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 48.9687, 59.5856, 87.5175 by changing the saturation by 10% instead.

■ 48.9687, 59.5856,
87.5175

■ 48.9687, 59.5856,
87.5175

373.1381,
423.0686, 540.2822

■ 34.8091, 43.0847,
65.3615

■ 87.8460, 104.2283,
145.7905

■ 23.6817, 29.9516,
47.3010

■ 113.2943,
133.1389, 182.7445

■ 15.2211, 19.8018,
32.9177

■ 143.2363,
166.9548, 225.4682

■ 9.0620, 12.2511,
21.7928

178.0373,
206.0605, 274.3803

■ 4.8391, 6.9149,
13.5079

218.0626,
250.8403, 329.8992

■ 2.1870, 3.4089,
7.6444

263.6776,

■ 0.7358, 1.3488,

301.6787, 392.4434

3.7837

315.2476,
358.9600, 462.4316

■ 0.0000, 0.1785,
1.5075

■ 0.0000, 0.0000,
0.2235

■ 48.9687, 59.5856,
87.5175

■ 48.9687, 59.5856,
87.5175

■ 44.5090, 55.5706,
86.9786

■ 54.2950, 64.0991,
88.1090

■ 40.8542, 52.0178,
86.4855

■ 60.5335, 69.1310,
88.7515

■ 37.9429, 48.8966,
86.0365

■ 67.7331, 74.7082,
89.4485

■ 35.7020, 46.1689,
85.6281

■ 75.9375, 80.8536,
90.2023

■ 34.0431, 43.7886,
85.2561

■ 85.1877, 87.5887,
91.0147

■ 33.1774, 42.3619,
85.0263

■ 88.1811, 91.1493,
91.5442

■ 89.5747, 93.9365,
92.0088

■ 91.0031, 96.7933,
92.4849

■ 91.9956, 98.7782,
92.8157

Harmonies

Analogous

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



46.7450, 59.5856, 71.2487



48.9687, 59.5856, 87.5175



53.3042, 59.5856, 98.6764

Triad

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



48.9687, 59.5856, 87.5175



67.4536, 59.5856, 75.1038



54.5064, 59.5856, 39.1564

Complementary

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



48.9687, 59.5856, 87.5175



49.8869, 42.1391, 27.6963

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.



60.1004, 59.5856, 39.8413



48.9687, 59.5856, 87.5175



67.8284, 59.5856, 58.9000

Square

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



48.9687, 59.5856, 87.5175



64.0683, 59.5856, 90.7363



65.0609, 59.5856, 46.5249



49.7989, 59.5856, 44.4690

Rectangle

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



48.9687, 59.5856, 87.5175



56.9291, 59.5856, 100.7636



65.0609, 59.5856, 46.5249



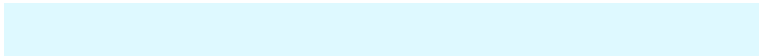
56.3406, 59.5856, 38.7197

Sweetspot

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



48.9705, 59.5879, 87.5189



81.8498, 90.1689, 107.6981



45.0256, 66.6617, 40.0727



17.0841, 18.9678, 23.0107



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.



48.9705, 59.5879, 87.5189



54.1527, 67.4267, 104.7682



38.1791, 38.0050, 83.9218



15.2522, 16.5908, 19.3207



18.5557, 23.7585, 47.3508



1.5211, 1.9936, 3.7395

Inverse Universe

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



54.9158, 39.3452, 68.9925



62.3919, 40.9348, 78.7431



59.7811, 61.9274, 30.9943



15.5808, 15.2602, 18.3440



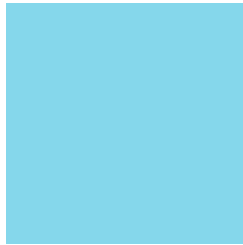
24.2214, 11.8912, 28.0308



1.9343, 0.9467, 2.3712

Previews

White Background



This preview shows how the XYZ color 48.9687, 59.5856, 87.5175 looks on a white background.

Color Contrast Check

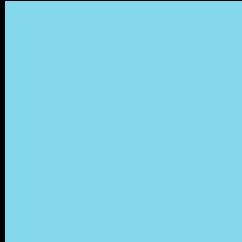
Large Text (above 18pt) WCAG AA × Fail

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 48.9687, 59.5856, 87.5175 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

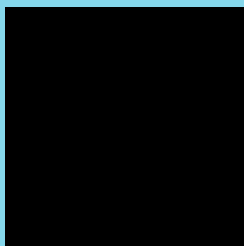
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

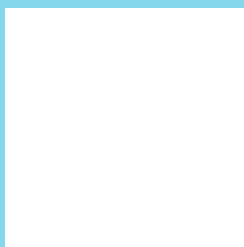
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.9687, 59.5856, 87.5175

Background



This preview shows how black text looks on a background with the XYZ color 48.9687, 59.5856, 87.5175.

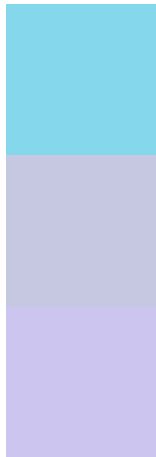


This preview shows how white text looks on a background with the XYZ color 48.9687, 59.5856,

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

48.9687, 59.5856, 87.5175

Protanopia

57.6704, 58.8053, 80.2625

Deuteranopia

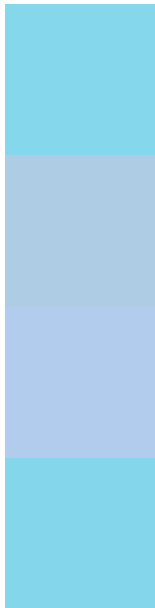
60.1748, 58.8610, 89.8511



Tritanopia

48.5241, 59.3896, 85.9966

Trichromacy



Original Color

48.9687, 59.5856, 87.5175

Protanomaly

53.4297, 58.3185, 82.5693

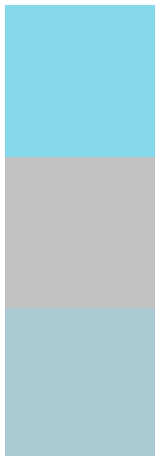
Deuteranomaly

55.3856, 58.8238, 89.3239

Tritanomaly

48.6674, 59.4469, 86.7513

Monochromacy



Original Color

48.9687, 59.5856, 87.5175

Achromatopsia

50.6879, 53.3276, 58.0738

Achromatomaly

49.0664, 54.9853, 67.7017

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.9687, 59.5856, 87.5175 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(133, 215, 235)` looks like.

```
.text, #text, p{  
    color:rgb(133, 215, 235)  
}
```

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(133, 215, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 215, 235) }
```

Border

The CSS property to change the border of an element to XYZ 48.9687, 59.5856, 87.5175 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(133, 215, 235) }
```


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

```
.border{ border-color:rgb(133, 215, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 215, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 215, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 215, 235);  
box-shadow:4px 4px 4px 4px rgb(133, 215,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 48.9687, 59.5856, 87.5175 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 215, 235) }
```

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

```
.background{ background-color: rgb(133,  
215, 235) }
```

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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