

Converting Colors

XYZ(48.5750, 59.4649, 83.7806)

Have a look what the booklet for
XYZ(48.5750, 59.4649, 83.7806)
contains.

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Color

**XYZ(48.5750, 59.4649,
83.7806)**

Conversions

Conversions Part 1

Format	Color
Hex	87D7E6
RGB	135, 215, 230
RGB Percent	53%, 84%, 90%
CMY	0.4706, 0.1568, 0.0980
CMYK	0.41, 0.07, 0.00, 0.10
HSL	189°, 66%, 72%
HSV	189°, 41%, 90%
XYZ	48.5750, 59.4649, 83.7806
YIQ	192.7900, -52.4950, -12.2950

Conversions

Conversions Part 2

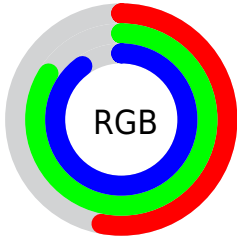
Format	Color
RYB	135, 178, 230
Decimal	8902630
CIELab	81.55, -20.70, -15.09
CIElCh	82, 25.617, 216.081
Yxy	59.4649, 0.2532, 0.3100
Android (android.graphics.Color)	4287092710 (0xFF87D7E6)
YUV	192.7900, 18.3445, -50.6818
Hunter-Lab	77.1135, -22.5086, -10.4367

Details

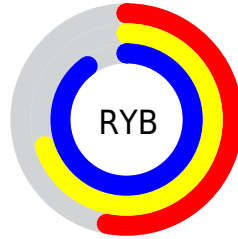
The XYZ color **48.5750, 59.4649, 83.7806** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **47.9137, 40.3859, 28.1931**, and the grayscale version is **50.4846, 53.1137, 57.8408**.

A 20% lighter version of the original color is **75.5482, 89.9465, 107.9873**, and **23.3527, 29.8173, 44.5689** is the 20% darker color. If you saturate the color by 10%, you get **44.3526, 55.9321, 83.3223**, and if you desaturate by 10%, it is **53.6208, 63.4555, 84.2860**.

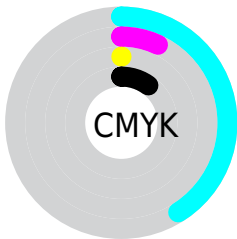
Distribution



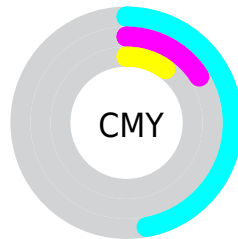
- Red (53%)
- Green (84%)
- Blue (90%)



- Red (53%)
- Yellow (70%)
- Blue (90%)



- Cyan (41%)
- Magenta (7%)
- Yellow (0%)
- Black (10%)



- Cyan (47%)
- Magenta (16%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.5750, 59.4649, 83.7806 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 48.5750, 59.4649, 83.7806 by changing the saturation by 10% instead.

■ 48.5750, 59.4649,
83.7806

■ 48.5750, 59.4649,
83.7806

371.6116,
422.6226, 527.6234

■ 34.4956, 42.9875,
62.2900

■ 87.2644, 104.0530,
140.5272

■ 23.4393, 29.8753,
44.8297

■ 112.6052,
132.9326, 176.6203

■ 15.0407, 19.7439,
30.9814

■ 142.4304,
166.7149, 218.4179

■ 8.9344, 12.2091,
20.3263

177.1055,
205.7844, 266.3386

■ 4.7552, 6.8862,
12.4460

216.9958,
250.5256, 320.8010

■ 2.1376, 3.3910,
6.9220

262.4667,

■ 0.7096, 1.3391,

301.3227, 382.2236

3.3357

313.8835,
358.5603, 451.0248

■ 0.0000, 0.1712,
1.2685

■ 0.0000, 0.0000,
0.0357

■ 48.5750, 59.4649,
83.7806

■ 48.5750, 59.4649,
83.7806

■ 44.3526, 55.9321,
83.3223

■ 53.6208, 63.4555,
84.2860

■ 40.8962, 52.8230,
82.9043

■ 59.5322, 67.9215,
84.8364

■ 38.1492, 50.1097,
82.5254

■ 66.3546, 72.8880,
85.4355

■ 36.0449, 47.7577,
82.1823

■ 74.1288, 78.3763,
86.0851

■ 34.5034, 45.7254,
81.8713

■ 82.8932, 84.4063,
86.7870

■ 33.5059, 44.1589,
81.6215

■ 85.7467, 87.4204,
87.2184

■ 86.8075, 89.5420,
87.5720

■ 87.8897, 91.7065,
87.9328

■ 88.9935, 93.9140,
88.3007

Harmonies

Analogous

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



46.8570, 59.4649, 67.9320



48.5750, 59.4649, 83.7806



52.4337, 59.4649, 95.7323

Triad

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



48.5750, 59.4649, 83.7806



66.4986, 59.4649, 77.4987



55.4323, 59.4649, 39.5587

Complementary

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



48.5750, 59.4649, 83.7806



47.9137, 40.3859, 28.1931

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.



60.8124, 59.4649, 41.2931



48.5750, 59.4649, 83.7806



67.4268, 59.4649, 61.6634

Square

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



48.5750, 59.4649, 83.7806



62.8244, 59.4649, 91.7221



65.2864, 59.4649, 48.8396



50.6514, 59.4649, 43.6590

Rectangle

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



48.5750, 59.4649, 83.7806



55.8165, 59.4649, 98.9761



65.2864, 59.4649, 48.8396



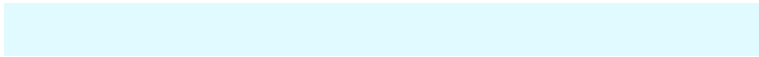
57.2286, 59.4649, 39.4887

Sweetspot

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



48.5768, 59.4672, 83.7820



83.1527, 91.6076, 107.9072



43.7346, 63.9237, 38.5735



17.5438, 19.4248, 23.0747



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.



48.5768, 59.4672, 83.7820



56.5484, 71.1133, 105.3536



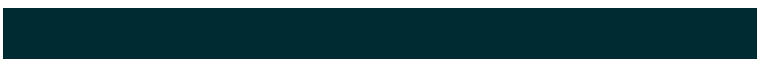
38.3249, 38.9633, 80.3647



14.6035, 15.9284, 18.4491



19.0435, 25.1492, 46.2338



1.4595, 1.9630, 3.4339

Inverse Universe

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



53.5643, 39.0588, 69.0084



63.8709, 42.5589, 83.3478



56.9171, 58.3927, 31.1942



14.8922, 14.5741, 17.6328



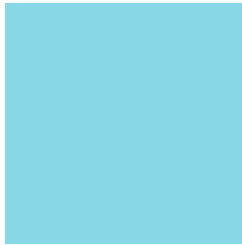
24.0058, 11.7365, 29.9892



1.8003, 0.8778, 2.3551

Previews

White Background



This preview shows how the XYZ color 48.5750, 59.4649, 83.7806 looks on a white background.

Color Contrast Check

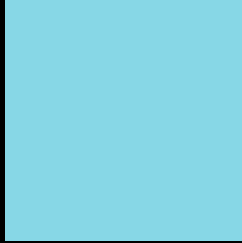
Large Text (above 18pt) WCAG AA × Fail

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 48.5750, 59.4649, 83.7806 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 48.5750, 59.4649, 83.7806

Background



This preview shows how black text looks on a background with the XYZ color 48.5750, 59.4649, 83.7806.

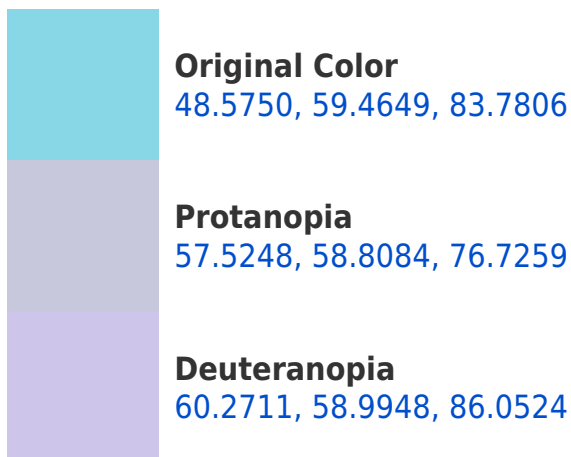


This preview shows how white text looks on a background with the XYZ color 48.5750, 59.4649,

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

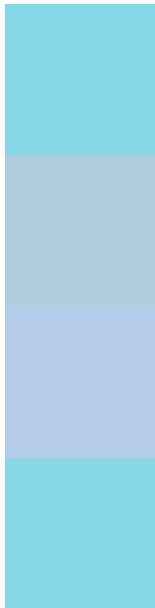




Tritanopia

49.0193, 59.6613, 85.2761

Trichromacy



Original Color

48.5750, 59.4649, 83.7806

Protanomaly

53.1904, 58.2746, 78.9657

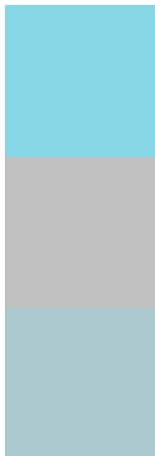
Deuteranomaly

55.1232, 58.7722, 85.5297

Tritanomaly

48.8776, 59.6046, 84.5300

Monochromacy



Original Color

48.5750, 59.4649, 83.7806

Achromatopsia

50.6879, 53.3276, 58.0738

Achromatomaly

49.0405, 55.0002, 66.4239

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.5750, 59.4649, 83.7806 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(135, 215, 230)` looks like.

```
.text, #text, p{  
    color:rgb(135, 215, 230)  
}
```

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(135, 215, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 215, 230) }
```

Border

The CSS property to change the border of an element to XYZ 48.5750, 59.4649, 83.7806 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(135, 215, 230) }
```


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

```
.border{ border-color:rgb(135, 215, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 215, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 215, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 215, 230);  
box-shadow:4px 4px 4px 4px rgb(135, 215,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 48.5750, 59.4649, 83.7806 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 215, 230) }
```

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

```
.background{ background-color: rgb(135,  
215, 230) }
```

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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