

Converting Colors

XYZ(48.8753, 60.7407, 83.3629)

Have a look what the booklet for
XYZ(48.8753, 60.7407, 83.3629)
contains.

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Color

**XYZ(48.8871, 60.7865,
83.2851)**

Conversions

Conversions Part 1

Format	Color
Hex	85DAE5
RGB	133, 218, 229
RGB Percent	52%, 85%, 90%
CMY	0.4784, 0.1451, 0.1020
CMYK	0.42, 0.05, 0.00, 0.10
HSL	187°, 65%, 71%
HSV	187°, 42%, 90%
XYZ	48.8871, 60.7865, 83.2851
YIQ	193.8390, -54.1910, -14.5990

Conversions

Conversions Part 2

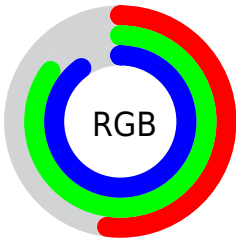
Format	Color
RYB	133, 178, 229
Decimal	8772325
CIELab	82.26, -22.94, -13.49
CIELCh	82, 26.612, 210.452
Yxy	60.7865, 0.2534, 0.3150
Android (android.graphics.Color)	4286962405 (0xFF85DAE5)
YUV	193.8390, 17.3344, -53.3558
Hunter-Lab	77.9657, -24.5145, -8.7592

Details

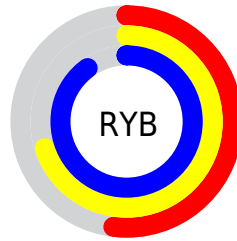
The XYZ color **48.8871, 60.7865, 83.2851** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **46.5210, 38.2988, 27.1322**, and the grayscale version is **51.1082, 53.7699, 58.5554**.

A 20% lighter version of the original color is **75.0452, 89.6871, 107.9638**, and **23.7177, 30.7869, 44.7368** is the 20% darker color. If you saturate the color by 10%, you get **44.9838, 57.7737, 82.9104**, and if you desaturate by 10%, it is **53.5930, 64.2319, 83.7032**.

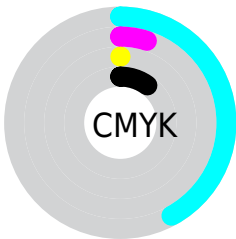
Distribution



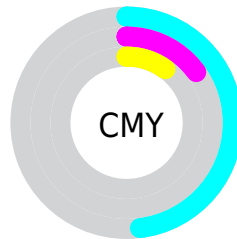
- Red (52%)
- Green (85%)
- Blue (90%)



- Red (52%)
- Yellow (70%)
- Blue (90%)



- Cyan (42%)
- Magenta (5%)
- Yellow (0%)
- Black (10%)



- Cyan (48%)
- Magenta (15%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.8871, 60.7865, 83.2851 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 48.8871, 60.7865, 83.2851 by changing the saturation by 10% instead.

■ 48.8871, 60.7865,
83.2851

■ 48.8871, 60.7865,
83.2851

372.8220,
427.4908, 525.9321

■ 34.7441, 44.0529,
61.8834

■ 87.7255, 105.9697,
139.8275

■ 23.6314, 30.7121,
44.5033

■ 113.1516,
135.1882, 175.8053

■ 15.1837, 20.3797,
30.7263

■ 143.0694,
169.3370, 217.4788

■ 9.0355, 12.6714,
20.1338

177.8443,
208.8006, 265.2667

■ 4.8217, 7.2026,
12.3073

217.8417,
253.9634, 319.5874

■ 2.1767, 3.5891,
6.8282

263.4268,

■ 0.7304, 1.4465,

305.2097, 380.8595

3.2781

314.9652,
362.9241, 449.5015

■ 0.0000, 0.2506,
1.2383

■ 0.0000, 0.0000,
0.0104

■ 48.8871, 60.7865,
83.2851

■ 48.8871, 60.7865,
83.2851

■ 44.9838, 57.7737,
82.9104

■ 53.5930, 64.2319,
83.7032

■ 41.8257, 55.1595,
82.5722

■ 59.1430, 68.1271,
84.1625

■ 39.3567, 52.9165,
82.2694

■ 65.5824, 72.4969,
84.6666

■ 37.5102, 51.0101,
81.9987

■ 72.9518, 77.3624,
85.2173

■ 36.2062, 49.3990,
81.7565

■ 81.2889, 82.7430,
85.8164

■ 35.4439, 48.2589,
81.5766

■ 84.7333, 85.6176,
86.1897

■ 85.4846, 87.1204,
86.4402

■ 86.2471, 88.6454,
86.6944

■ 87.0208, 90.1927,
86.9523

Harmonies

Analogous

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



47.5557, 60.7865, 66.4327



48.8871, 60.7865, 83.2851



52.5699, 60.7865, 97.1952

Triad

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



48.8871, 60.7865, 83.2851



67.7769, 60.7865, 82.7891



57.6898, 60.7865, 39.6405

Complementary

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



48.8871, 60.7865, 83.2851



46.5210, 38.2988, 27.1322

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.



63.3144, 60.7865, 42.5923



48.8871, 60.7865, 83.2851



69.3642, 60.7865, 65.9403

Square

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



48.8871, 60.7865, 83.2851



63.4728, 60.7865, 96.8775



67.6814, 60.7865, 51.6040



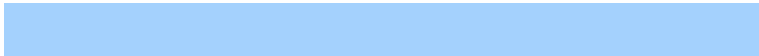
52.4302, 60.7865, 42.7761

Rectangle

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



48.8871, 60.7865, 83.2851



55.9882, 60.7865, 101.9532



67.6814, 60.7865, 51.6040



59.6010, 60.7865, 39.9476

Sweetspot

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



48.8889, 60.7889, 83.2865



82.6887, 91.8467, 107.9778



42.6212, 62.9975, 35.7428



17.2931, 19.3859, 23.0804



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.



48.8889, 60.7889, 83.2865



58.1531, 74.3225, 105.8884



38.4557, 39.9224, 79.8088



14.6591, 16.0396, 18.4677



20.3217, 27.7055, 46.6598



1.5419, 2.1278, 3.4614

Inverse Universe

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



53.3570, 38.4966, 70.9506



64.6808, 42.8829, 87.6129



55.0917, 55.4403, 29.9891



14.9203, 14.5853, 17.7805



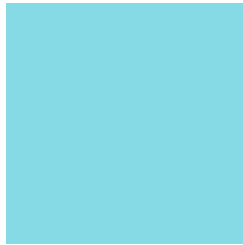
24.6510, 11.9946, 33.3866



1.8419, 0.8945, 2.5741

Previews

White Background



This preview shows how the XYZ color 48.8871, 60.7865, 83.2851 looks on a white background.

Color Contrast Check

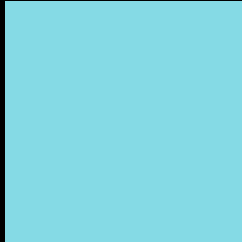
Large Text (above 18pt) WCAG AA × Fail

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 48.8871, 60.7865, 83.2851 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 48.8871, 60.7865, 83.2851

Background



This preview shows how black text looks on a background with the XYZ color 48.8871, 60.7865, 83.2851.

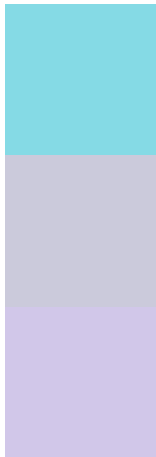


This preview shows how white text looks on a background with the XYZ color 48.8871, 60.7865,

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

48.8871, 60.7865, 83.2851

Protanopia

58.5353, 60.0520, 75.5239

Deuteranopia

61.4259, 60.2853, 85.4895



Tritanopia

49.7999, 60.7748, 87.7032

Trichromacy



Original Color

48.8871, 60.7865, 83.2851

Protanomaly

54.2353, 59.9044, 78.5162

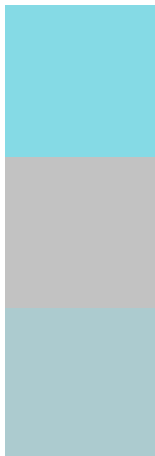
Deuteranomaly

55.6929, 59.7926, 84.9497

Tritanomaly

49.3524, 60.5772, 86.1822

Monochromacy



Original Color

48.8871, 60.7865, 83.2851

Achromatopsia

51.2775, 53.9479, 58.7493

Achromatomaly

49.6317, 55.9875, 67.2223

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.8871, 60.7865, 83.2851 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, 218, 229)` looks like.

```
.text, #text, p{  
    color:rgb(133, 218, 229)  
}
```

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, 218, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 218, 229) }
```

Border

The CSS property to change the border of an element to XYZ 48.8871, 60.7865, 83.2851 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, 218, 229) }
```


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

```
.border{ border-color:rgb(133, 218, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 218, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 218, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 218, 229);  
box-shadow:4px 4px 4px 4px rgb(133, 218,  
229) }
```

Background

The CSS property to change the background color of an element to XYZ 48.8871, 60.7865, 83.2851 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 218, 229) }
```

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

```
.background{ background-color: rgb(133,  
218, 229) }
```

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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