

Converting Colors

XYZ(46.4878, 58.3233, 86.6493)

Have a look what the booklet for
XYZ(46.4878, 58.3233, 86.6493)
contains.

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Color

**XYZ(46.4878, 58.3233,
86.6493)**

Conversions

Conversions Part 1

Format	Color
Hex	75D7EA
RGB	117, 215, 234
RGB Percent	46%, 84%, 92%
CMY	0.5412, 0.1568, 0.0823
CMYK	0.50, 0.08, 0.00, 0.08
HSL	190°, 74%, 69%
HSV	190°, 50%, 92%
XYZ	46.4878, 58.3233, 86.6493
YIQ	187.8640, -64.5070, -14.8670

Conversions

Conversions Part 2

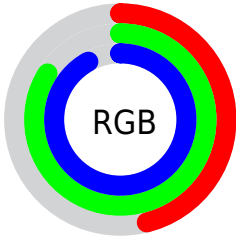
Format	Color
RYB	117, 170, 234
Decimal	7722986
CIELab	80.92, -23.80, -18.24
CIELCh	81, 29.988, 217.457
Yxy	58.3233, 0.2428, 0.3046
Android (android.graphics.Color)	4285913066 (0xFF75D7EA)
YUV	187.8640, 22.7450, -62.1477
Hunter-Lab	76.3697, -24.9903, -13.8118

Details

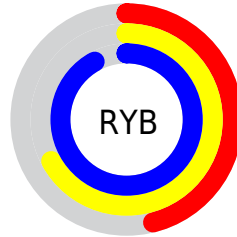
The XYZ color **46.4878, 58.3233, 86.6493** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **45.9479, 36.3863, 21.4327**, and the grayscale version is **47.6256, 50.1059, 54.5653**.

A 20% lighter version of the original color is **71.7145, 87.9701, 107.8079**, and **22.1280, 29.1402, 46.5778** is the 20% darker color. If you saturate the color by 10%, you get **42.7721, 54.9893, 86.2027**, and if you desaturate by 10%, it is **51.0153, 62.1117, 87.1430**.

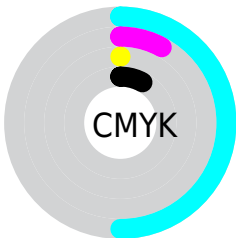
Distribution



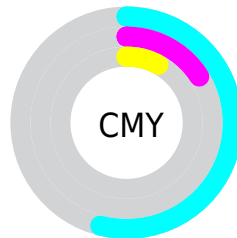
- Red (46%)
- Green (84%)
- Blue (92%)



- Red (46%)
- Yellow (67%)
- Blue (92%)



- Cyan (50%)
- Magenta (8%)
- Yellow (0%)
- Black (8%)




- Cyan (54%)
- Magenta (16%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.4878, 58.3233, 86.6493 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 46.4878, 58.3233, 86.6493 by changing the saturation by 10% instead.


 46.4878, 58.3233,
86.6493


 46.4878, 58.3233,
86.6493


363.4495,
418.3895, 537.3560


 32.8372, 42.0686,
64.6471


 84.1720, 102.3935,
144.5698

 22.1604, 29.1550,
46.7254


 108.9362,
130.9778, 181.3251

 14.0921, 19.1981,
32.4659


 138.1357,
164.4408, 223.8352

 8.2668, 11.8135,
21.4498

172.1358,
203.1669, 272.5186

 4.3194, 6.6168,
13.2588

211.3019,
247.5404, 327.7938

 1.8844, 3.2236,
7.4742

255.9993,

 0.5677, 1.2496,

297.9457, 390.0794

3.6774

306.5934,
354.7673, 459.7940

■ 0.0000, 0.1017,
1.4501

■ 0.0000, 0.0000,
0.1803

■ 46.4878, 58.3233,
86.6493

■ 46.4878, 58.3233,
86.6493

■ 42.7721, 54.9893,
86.2027

■ 51.0153, 62.1117,
87.1430

■ 39.8029, 52.0720,
85.7961


■ 56.4029, 66.3758,
87.6821


■ 37.5137, 49.5382,
85.4276


■ 62.7013, 71.1433,
88.2703


■ 35.8232, 47.3457,
85.0935


■ 69.9557, 76.4376,
88.9099


 34.5926, 45.4227,
84.7872


 78.2085, 82.2808,
89.6028

 34.5924, 45.4224,
84.7872

 86.6084, 88.2343,
90.3092

 87.7252, 90.4679,
90.6814

 88.8654, 92.7485,
91.0615

 90.0293, 95.0763,
91.4495

Harmonies

Analogous

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



44.4200, 58.3233, 68.0457



46.4878, 58.3233, 86.6493



50.9826, 58.3233, 100.6046

Triad

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



46.4878, 58.3233, 86.6493



67.2076, 58.3233, 77.5339



53.8995, 58.3233, 35.2783

Complementary

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



46.4878, 58.3233, 86.6493



45.9479, 36.3863, 21.4327

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.



60.1384, 58.3233, 36.8716



46.4878, 58.3233, 86.6493



68.1341, 58.3233, 59.1693

Square

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



46.4878, 58.3233, 86.6493



63.0165, 58.3233, 94.6940



65.4613, 58.3233, 44.8979



48.4865, 58.3233, 40.0469

Rectangle

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



46.4878, 58.3233, 86.6493



54.9066, 58.3233, 104.1498



65.4613, 58.3233, 44.8979



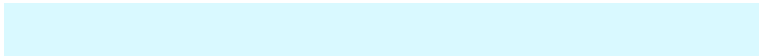
55.9658, 58.3233, 35.1059

Sweetspot

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



46.4896, 58.3255, 86.6507



80.4015, 89.5544, 107.6559



41.1019, 64.3655, 33.0150



16.8157, 18.8800, 23.0079



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.



46.4896, 58.3255, 86.6507



51.8697, 66.7252, 104.7532



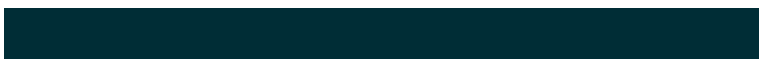
34.4072, 34.1608, 82.6232



15.2973, 16.6811, 19.3358



19.5173, 25.6816, 47.6713



1.5882, 2.1278, 3.7619

Inverse Universe

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



52.5602, 35.1229, 68.3015



60.2962, 36.4847, 78.8420



56.2249, 56.9404, 24.8584



15.6036, 15.2693, 18.4640



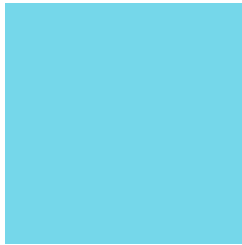
24.7067, 12.0854, 30.5867



1.9681, 0.9602, 2.5496

Previews

White Background



This preview shows how the XYZ color 46.4878, 58.3233, 86.6493 looks on a white background.

Color Contrast Check

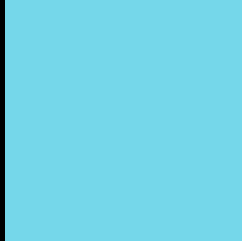
Large Text (above 18pt) WCAG AA × Fail

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 46.4878, 58.3233, 86.6493 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

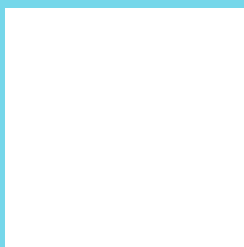
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.4878, 58.3233, 86.6493

Background



This preview shows how black text looks on a background with the XYZ color 46.4878, 58.3233, 86.6493.



This preview shows how white text looks on a background with the XYZ color 46.4878, 58.3233,

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

46.4878, 58.3233, 86.6493

Protanopia

56.2783, 57.4516, 77.9351

Deuteranopia

58.7671, 57.4826, 88.8868



Tritanopia

46.3445, 58.2660, 85.8946

Trichromacy



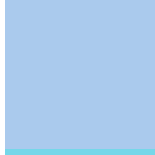
Original Color

46.4878, 58.3233, 86.6493



Protanomaly

51.3943, 56.9473, 80.9562



Deuteranomaly

52.9842, 56.9015, 88.3113



Tritanomaly

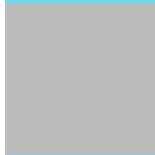
46.3445, 58.2660, 85.8946

Monochromacy



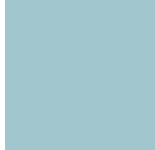
Original Color

46.4878, 58.3233, 86.6493



Achromatopsia

47.7994, 50.2886, 54.7643



Achromatomaly

46.1138, 52.4773, 65.4563

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.4878, 58.3233, 86.6493 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(117, 215, 234)` looks like.

```
.text, #text, p{  
    color:rgb(117, 215, 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(117, 215, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 215, 234) }
```

Border

The CSS property to change the border of an element to XYZ 46.4878, 58.3233, 86.6493 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(117, 215, 234) }
```


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

```
.border{ border-color:rgb(117, 215, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 215, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 215, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 215, 234);  
box-shadow:4px 4px 4px 4px rgb(117, 215,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 46.4878, 58.3233, 86.6493 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 215, 234) }
```

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

```
.background{ background-color: rgb(117,  
215, 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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