

Converting Colors

XYZ(47.4412, 59.0386, 83.2955)

Have a look what the booklet for
XYZ(47.4412, 59.0386, 83.2955)
contains.

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Color

**XYZ(47.3454, 58.8472,
82.9920)**

Conversions

Conversions Part 1

Format	Color
Hex	80D7E5
RGB	128, 215, 229
RGB Percent	50%, 84%, 90%
CMY	0.4980, 0.1568, 0.1020
CMYK	0.44, 0.06, 0.00, 0.10
HSL	188°, 66%, 70%
HSV	188°, 44%, 90%
XYZ	47.3454, 58.8472, 82.9920
YIQ	190.5830, -56.3460, -14.0900

Conversions

Conversions Part 2

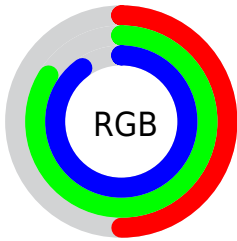
Format	Color
RYB	128, 175, 229
Decimal	8443877
CIELab	81.21, -22.64, -15.09
CIELCh	81, 27.214, 213.686
Yxy	58.8472, 0.2503, 0.3111
Android (android.graphics.Color)	4286633957 (0xFF80D7E5)
YUV	190.5830, 18.9396, -54.8853
Hunter-Lab	76.7119, -24.0785, -10.4455

Details

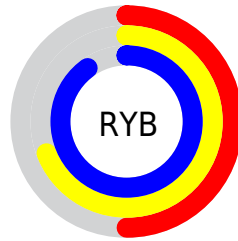
The XYZ color **47.3454, 58.8472, 82.9920** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **45.8835, 37.5636, 25.2559**, and the grayscale version is **49.1988, 51.7609, 56.3676**.

A 20% lighter version of the original color is **74.0597, 89.1791, 107.9177**, and **22.7366, 29.4997, 44.5401** is the 20% darker color. If you saturate the color by 10%, you get **43.4820, 55.6687, 82.5831**, and if you desaturate by 10%, it is **52.0053, 62.4623, 83.4452**.

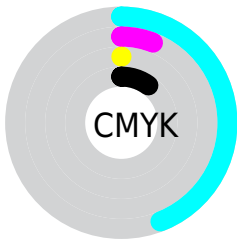
Distribution



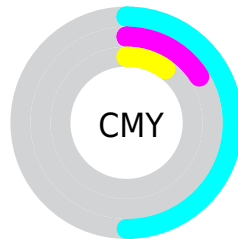
- Red (50%)
- Green (84%)
- Blue (90%)



- Red (50%)
- Yellow (69%)
- Blue (90%)



- Cyan (44%)
- Magenta (6%)
- Yellow (0%)
- Black (10%)





- Cyan (50%)
- Magenta (16%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.3454, 58.8472, 82.9920 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 47.3454, 58.8472, 82.9920 by changing the saturation by 10% instead.


 47.3454, 58.8472,
82.9920


 47.3454, 58.8472,
82.9920


366.8175,
420.3354, 524.9302


 33.5179, 42.4901,
61.6430


 85.4446, 103.1556,
139.4134

 22.6846, 29.4853,
44.3104


 110.4469,
131.8756, 175.3228

 14.4802, 19.4482,
30.5756

 139.9050,
165.4855, 216.9228

 8.5393, 11.9946,
20.0201

174.1840,
204.3695, 264.6320

 4.4966, 6.7400,
12.2255

213.6494,
248.9121, 318.8687

 1.9868, 3.3000,
6.7730

258.6666,

 0.6265, 1.2903,

299.4977, 380.0516

3.2443

309.6008,
356.5107, 448.5993

■ 0.0000, 0.1337,
1.2207

■ 0.0000, 0.0000,
0.0000

■ 47.3454, 58.8472,
82.9920

■ 47.3454, 58.8472,
82.9920

■ 43.4820, 55.6687,
82.5831

■ 52.0053, 62.4623,
83.4452

■ 40.3566, 52.8924,
82.2120

■ 57.5045, 66.5321,
83.9409

■ 37.9116, 50.4899,
81.8771

■ 63.8889, 71.0818,
84.4826

■ 36.0777, 48.4254,
81.5753

■ 71.1996, 76.1327,
85.0722

■ 34.7709, 46.6553,
81.3025

■ 79.4751, 81.7048,
85.7116

■ 34.1690, 45.7090,
81.1516

■ 84.8192, 85.7896,
86.2183

■ 85.7312, 87.6135,
86.5223

■ 86.6595, 89.4700,
86.8318

■ 87.6041, 91.3592,
87.1466

Harmonies

Analogous

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



45.7464, 58.8472, 66.1023



47.3454, 58.8472, 82.9920



51.2392, 58.8472, 96.3220

Triad

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



47.3454, 58.8472, 82.9920



66.2813, 58.8472, 78.9302



55.2347, 58.8472, 37.7016

Complementary

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



47.3454, 58.8472, 82.9920



45.8835, 37.5636, 25.2559

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.



60.9040, 58.8472, 39.9714



47.3454, 58.8472, 82.9920



67.5284, 58.8472, 62.0888

Square

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



47.3454, 58.8472, 82.9920



62.1976, 58.8472, 93.7126



65.4998, 58.8472, 48.2753



50.1029, 58.8472, 41.4544

Rectangle

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



47.3454, 58.8472, 82.9920



54.7425, 58.8472, 100.3733



65.4998, 58.8472, 48.2753



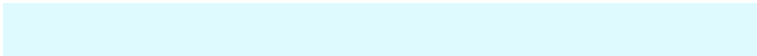
57.1396, 58.8472, 37.7893

Sweetspot

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



47.3472, 58.8495, 82.9934



82.4400, 91.3494, 107.8949



41.7653, 62.5661, 35.2586



17.2311, 19.2619, 23.0597



0.0000, 0.0000, 0.0000



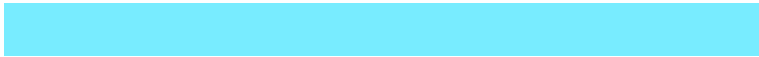
20.3446, 21.4041, 23.3091

Same Dimension

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



47.3472, 58.8495, 82.9934



55.8478, 71.3481, 105.4358



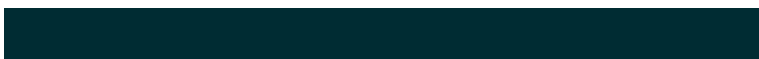
36.5076, 37.1703, 79.3802



14.6282, 15.9778, 18.4574



19.6023, 26.2667, 46.4200



1.4957, 2.0353, 3.4460

Inverse Universe

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



52.2995, 37.0043, 68.6784



63.1178, 40.7286, 84.0964



55.0530, 55.9027, 28.3124



14.9047, 14.5791, 17.6984



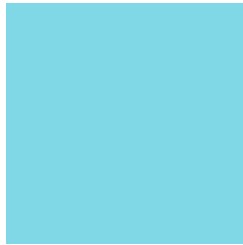
24.2878, 11.8494, 31.4744



1.8186, 0.8851, 2.4511

Previews

White Background



This preview shows how the XYZ color 47.3454, 58.8472, 82.9920 looks on a white background.

Color Contrast Check

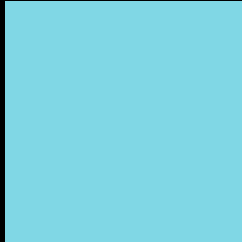
Large Text (above 18pt) WCAG AA × Fail

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 47.3454, 58.8472, 82.9920 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 47.3454, 58.8472, 82.9920

Background



This preview shows how black text looks on a background with the XYZ color 47.3454, 58.8472, 82.9920.



This preview shows how white text looks on a background with the XYZ color 47.3454, 58.8472,

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

47.3454, 58.8472, 82.9920

Protanopia

56.7628, 58.1034, 75.2412

Deuteranopia

59.6247, 58.3422, 85.2094



Tritanopia

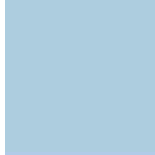
47.9192, 59.0942, 85.2246

Trichromacy



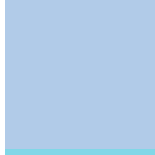
Original Color

47.3454, 58.8472, 82.9920



Protanomaly

52.3842, 57.8746, 78.2220



Deuteranomaly

54.0529, 57.8852, 84.6680



Tritanomaly

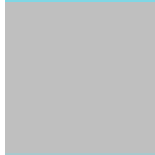
47.7775, 59.0375, 84.4785

Monochromacy



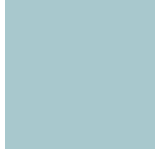
Original Color

47.3454, 58.8472, 82.9920



Achromatopsia

49.5206, 52.0996, 56.7364



Achromatomaly

47.8222, 54.0412, 65.6681

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.3454, 58.8472, 82.9920 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(128, 215, 229)` looks like.

```
.text, #text, p{  
    color:rgb(128, 215, 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(128, 215, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 215, 229) }
```

Border

The CSS property to change the border of an element to XYZ 47.3454, 58.8472, 82.9920 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(128, 215, 229) }
```


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

```
.border{ border-color:rgb(128, 215, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 215, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 215, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 215, 229);  
box-shadow:4px 4px 4px 4px rgb(128, 215,  
229) }
```

Background

The CSS property to change the background color of an element to XYZ 47.3454, 58.8472, 82.9920 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 215, 229) }
```

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

```
.background{ background-color: rgb(128,  
215, 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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