

Converting Colors

XYZ(42.2037, 64.0410, 64.3249)

Have a look what the booklet for
XYZ(42.2037, 64.0410, 64.3249)
contains.

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Color

**XYZ(42.3302, 64.3088,
64.2146)**

Conversions

Conversions Part 1

Format	Color
Hex	47EAC7
RGB	71, 234, 199
RGB Percent	28%, 92%, 78%
CMY	0.7215, 0.0823, 0.2196
CMYK	0.70, 0.00, 0.15, 0.08
HSL	167°, 80%, 60%
HSV	167°, 70%, 92%
XYZ	42.3302, 64.3088, 64.2146
YIQ	181.2730, -85.9130, -45.4410

Conversions

Conversions Part 2

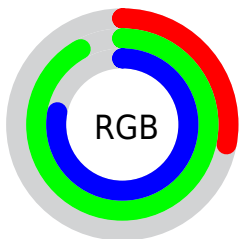
Format	Color
RYB	71, 162, 234
Decimal	4713159
CIELab	84.13, -49.75, 4.91
CIELCh	84, 49.987, 174.363
Yxy	64.3088, 0.2478, 0.3764
Android (android.graphics.Color)	4282903239 (0xFF47EAC7)
YUV	181.2730, 8.7394, -96.7094
Hunter-Lab	80.1928, -46.1151, 8.6583

Details

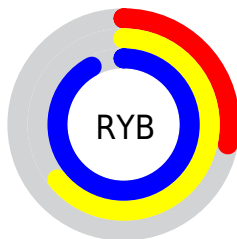
The XYZ color **42.3302, 64.3088, 64.2146** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light muted cyan. A complement of this color would be **38.7887, 23.0413, 16.0413**, and the grayscale version is **44.0582, 46.3527, 50.4781**.

A 20% lighter version of the original color is **64.4575, 84.2290, 107.4683**, and **20.8330, 33.4886, 32.1540** is the 20% darker color. If you saturate the color by 10%, you get **40.3594, 63.3607, 61.1279**, and if you desaturate by 10%, it is **44.9843, 65.6100, 67.4367**.

Distribution



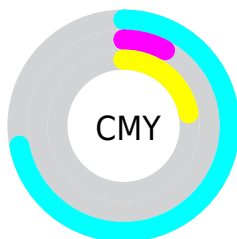
- Red (28%)
- Green (92%)
- Blue (78%)



- Red (28%)
- Yellow (64%)
- Blue (92%)



- Cyan (70%)
- Magenta (0%)
- Yellow (15%)
- Black (8%)





- Cyan (72%)
- Magenta (8%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.3302, 64.3088, 64.2146 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 42.3302, 64.3088, 64.2146 by changing the saturation by 10% instead.


 42.3302, 64.3088,
64.2146


 42.3302, 64.3088,
64.2146


346.8183,
440.3039, 458.1929


 29.5522, 46.9008,
46.3772


 77.9612, 111.0555,
112.5224

 19.6453, 32.9573,
32.1928

 101.5448,
141.1631, 143.8298

 12.2442, 22.0937,
21.2428


 129.4610,
176.2726, 180.4644

 6.9836, 13.9258,
13.1086

 162.0752,
216.7686, 222.8447

 3.4981, 8.0691,
7.3718

199.7526,
263.0353, 271.3891

 1.4223, 4.1392,
3.6137

242.8587,

 0.2720, 1.7517,

315.4571, 326.5162

1.4159

291.7588,
374.4185, 388.6447

■ 0.0000, 0.4568,
0.1541

■ 0.0000, 0.0000,
0.0000

■ 42.3302, 64.3088,
64.2146

■ 42.3302, 64.3088,
64.2146

■ 40.3594, 63.3607,
61.1279

■ 44.9843, 65.6100,
67.4367

■ 38.9856, 62.7166,
58.1674


■ 48.3842, 67.2920,
70.7938


■ 38.0780, 62.3106,
55.3274


■ 52.5914, 69.3878,
74.2912


■ 38.0498, 62.2982,
55.2314


■ 57.6594, 71.9251,
77.9322

 63.6371, 74.9291,
81.7200

 70.5696, 78.4230,
85.6578

 78.4990, 82.4284,
89.7482

 86.2738, 86.3518,
93.9384

 87.0276, 86.6533,
97.9077

Harmonies

Analogous

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



45.4363, 64.3088, 40.2238



42.3302, 64.3088, 64.2146



43.7457, 64.3088, 98.2291

Triad

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



42.3302, 64.3088, 64.2146



70.3100, 64.3088, 141.3319



74.3523, 64.3088, 31.3077

Complementary

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



42.3302, 64.3088, 64.2146



38.7887, 23.0413, 16.0413

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.



82.5842, 64.3088, 47.8077



42.3302, 64.3088, 64.2146



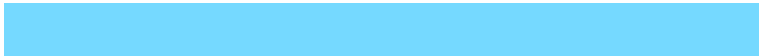
80.0605, 64.3088, 111.7774

Square

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



42.3302, 64.3088, 64.2146



59.0609, 64.3088, 149.6715



84.7894, 64.3088, 76.1680



63.2337, 64.3088, 25.2568

Rectangle

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



42.3302, 64.3088, 64.2146



47.1620, 64.3088, 121.7423



84.7894, 64.3088, 76.1680



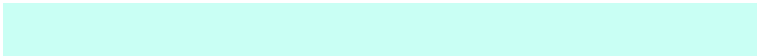
77.5998, 64.3088, 35.5213

Sweetspot

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



42.3320, 64.3113, 64.2161



76.2219, 90.5013, 98.6421



36.5439, 62.3869, 16.0783



15.8687, 19.1468, 20.8378



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.



42.3320, 64.3113, 64.2161



48.1754, 76.5909, 72.5676



35.3961, 43.1709, 84.3120



15.3711, 17.0633, 18.6371



21.4294, 35.0262, 31.2899



1.7171, 2.7642, 2.6383

Inverse Universe

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



38.7887, 23.0413, 16.0413



43.7381, 23.5169, 11.2075



41.4540, 30.7150, 9.7062



15.1978, 15.1070, 16.3271



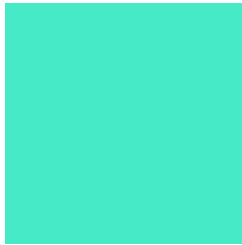
19.4320, 9.9755, 2.8102



1.5606, 0.7972, 0.4036

Previews

White Background



This preview shows how the XYZ color 42.3302, 64.3088, 64.2146 looks on a white background.

Color Contrast Check

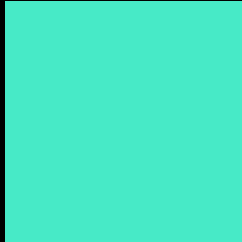
Large Text (above 18pt) WCAG AA × Fail

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 42.3302, 64.3088, 64.2146 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

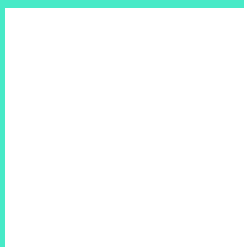
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.3302, 64.3088, 64.2146

Background



This preview shows how black text looks on a background with the XYZ color 42.3302, 64.3088, 64.2146.

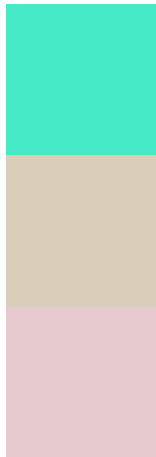


This preview shows how white text looks on a background with the XYZ color 42.3302, 64.3088,

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

42.3302, 64.3088, 64.2146

Protanopia

59.6851, 62.8801, 54.8903

Deuteranopia

64.3403, 62.8875, 67.1399



Tritanopia

48.7197, 63.9717, 96.9687

Trichromacy



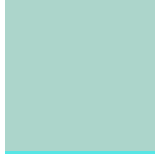
Original Color

42.3302, 64.3088, 64.2146



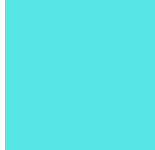
Protanomaly

49.4170, 61.2359, 57.9304



Deuteranomaly

51.5870, 60.6710, 65.4917



Tritanomaly

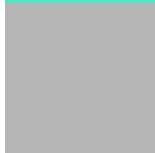
46.2774, 64.2292, 84.0871

Monochromacy



Original Color

42.3302, 64.3088, 64.2146



Achromatopsia

43.9204, 46.2077, 50.3202



Achromatomaly

40.7159, 50.6021, 55.1982

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.3302, 64.3088, 64.2146 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(71, 234, 199)` looks like.

```
.text, #text, p{  
    color:rgb(71, 234, 199)  
}
```

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(71, 234, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 234, 199) }
```

Border

The CSS property to change the border of an element to XYZ 42.3302, 64.3088, 64.2146 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(71, 234, 199) }
```


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

```
.border{ border-color:rgb(71, 234, 199) }
```

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

Here you see how a box with a 4 pixel rgb(71, 234, 199) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 234, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 234, 199);  
box-shadow:4px 4px 4px 4px rgb(71, 234,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 42.3302, 64.3088, 64.2146 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 234, 199) }
```

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

```
.background{ background-color: rgb(71, 234,  
199) }
```

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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