

Converting Colors

XYZ(32.3241, 42.1423, 47.4092)

Have a look what the booklet for
XYZ(32.3241, 42.1423, 47.4092)
contains.

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Color

**XYZ(32.2889, 42.1200,
47.5025)**

Conversions

Conversions Part 1

Format	Color
Hex	70BBB0
RGB	112, 187, 176
RGB Percent	44%, 73%, 69%
CMY	0.5608, 0.2667, 0.3098
CMYK	0.40, 0.00, 0.06, 0.27
HSL	171°, 36%, 59%
HSV	171°, 40%, 73%
XYZ	32.2889, 42.1200, 47.5025
YIQ	163.3210, -41.1690, -19.3210

Conversions

Conversions Part 2

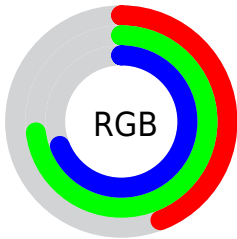
Format	Color
RYB	112, 152, 187
Decimal	7388080
CIELab	70.95, -25.92, -1.77
CIELCh	71, 25.981, 183.900
Yxy	42.1200, 0.2649, 0.3455
Android (android.graphics.Color)	4285578160 (0xFF70BBB0)
YUV	163.3210, 6.2507, -45.0085
Hunter-Lab	64.8999, -24.7678, 2.0335

Details

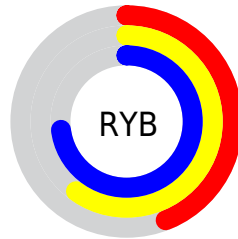
The XYZ color **32.2889, 42.1200, 47.5025** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **29.8643, 23.5844, 21.7187**, and the grayscale version is **34.9508, 36.7709, 40.0435**.

A 20% lighter version of the original color is **62.5524, 78.1429, 88.1302**, and **13.7705, 19.1298, 22.0354** is the 20% darker color. If you saturate the color by 10%, you get **29.8838, 40.9122, 45.9881**, and if you desaturate by 10%, it is **35.1961, 43.5881, 49.0708**.

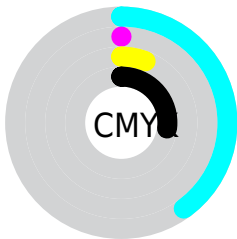
Distribution



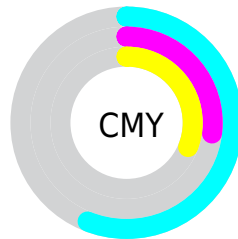
- Red (44%)
- Green (73%)
- Blue (69%)



- Red (44%)
- Yellow (60%)
- Blue (73%)



- Cyan (40%)
- Magenta (0%)
- Yellow (6%)
- Black (27%)



- Cyan (56%)
- Magenta (27%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.2889, 42.1200, 47.5025 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 32.2889, 42.1200, 47.5025 by changing the saturation by 10% instead.

■ 32.2889, 42.1200,
47.5025

■ 32.2889, 42.1200,
47.5025

304.1551,
354.9801, 393.2684

■ 21.7389, 29.1953,
33.0759

■ 62.6259, 78.3812,
87.8210

■ 13.7807, 19.2286,
21.9130

■ 83.1435, 102.4865,
114.5500

■ 8.0490, 11.8356,
13.5953

■ 107.7144,
131.0874, 146.2169

■ 4.1784, 6.6318,
7.7042

136.7039,
164.5683, 183.2402

■ 1.8035, 3.2329,
3.8212

170.4774,
203.3136, 226.0385

■ 0.5198, 1.2545,
1.5278

209.4002,

■ 0.0000, 0.1056,

247.7078, 275.0302

0.2385

253.8376,
298.1352, 330.6340

■ 0.0000, 0.0000,
0.0000

■ 32.2889, 42.1200,
47.5025

■ 32.2889, 42.1200,
47.5025

■ 29.8838, 40.9122,
45.9881

■ 35.1961, 43.5881,
49.0708

■ 27.9462, 39.9438,
44.5232

■ 38.6299, 45.3259,
50.6917

■ 26.4431, 39.1987,
43.1069


■ 42.6176, 47.3487,
52.3675


■ 25.3354, 38.6568,
41.7372


■ 47.1836, 49.6690,
54.0995


■ 24.5770, 38.2944,
40.4118


■ 52.3507, 52.2985,
55.8888

 24.0788, 38.0652,
39.1398

 58.1406, 55.2484,
57.7368

 64.5739, 58.5293,
59.6445

 69.1980, 60.8769,
61.4973

 69.5172, 61.0046,
63.1785

Harmonies

Analogous

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



33.0131, 42.1200, 36.1514



32.2889, 42.1200, 47.5025



33.5136, 42.1200, 60.4869

Triad

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



32.2889, 42.1200, 47.5025



44.8591, 42.1200, 68.6348



43.8093, 42.1200, 27.6090

Complementary

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



32.2889, 42.1200, 47.5025



29.8643, 23.5844, 21.7187

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.



47.3492, 42.1200, 33.8070



32.2889, 42.1200, 47.5025



47.9853, 42.1200, 57.1711

Square

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



32.2889, 42.1200, 47.5025



40.6028, 42.1200, 73.9995



48.9276, 42.1200, 44.2588



39.4702, 42.1200, 25.9493

Rectangle

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



32.2889, 42.1200, 47.5025



35.3262, 42.1200, 67.9502



48.9276, 42.1200, 44.2588



45.1421, 42.1200, 29.1680

Sweetspot

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



32.2901, 42.1217, 47.5035



74.7499, 83.9985, 93.1515



28.9004, 40.9416, 21.7094



16.2488, 18.3901, 20.4264



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



32.2901, 42.1217, 47.5035



54.0433, 73.5333, 82.7170



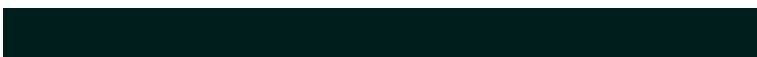
28.3542, 32.4365, 51.7821



9.7468, 10.7848, 11.9160



16.6106, 26.2345, 27.0760



0.6673, 1.0343, 1.1483

Inverse Universe

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



29.8643, 23.5844, 21.7187



49.1208, 35.8196, 30.3224



32.5440, 29.9848, 19.4024



9.5857, 9.5586, 10.2072



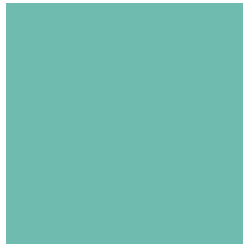
14.2768, 7.3419, 1.4854



0.5777, 0.2950, 0.1554

Previews

White Background



This preview shows how the XYZ color 32.2889, 42.1200, 47.5025 looks on a white background.

Color Contrast Check

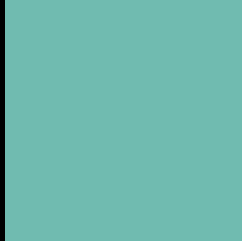
Large Text (above 18pt) WCAG AA × Fail

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 32.2889, 42.1200, 47.5025 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 32.2889, 42.1200, 47.5025

Background



This preview shows how black text looks on a background with the XYZ color 32.2889, 42.1200, 47.5025.



This preview shows how white text looks on a background with the XYZ color 32.2889, 42.1200,

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

32.2889, 42.1200, 47.5025

Protanopia

39.8590, 41.6422, 42.4962

Deuteranopia

42.4906, 41.7397, 48.9971



Tritanopia

34.8047, 42.2097, 59.7390

Trichromacy



Original Color

32.2889, 42.1200, 47.5025

Protanomaly

36.1147, 41.1189, 44.0635

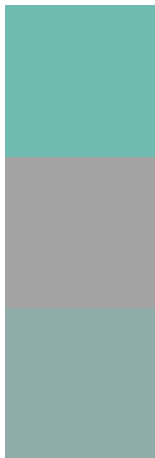
Deuteranomaly

37.7647, 41.2855, 48.6263

Tritanomaly

33.8457, 42.1286, 55.0630

Monochromacy



Original Color

32.2889, 42.1200, 47.5025

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

33.3220, 38.2615, 42.6747

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.2889, 42.1200, 47.5025 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(112, 187, 176)` looks like.

```
.text, #text, p{  
    color:rgb(112, 187, 176)  
}
```

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(112, 187, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 187, 176) }
```

Border

The CSS property to change the border of an element to XYZ 32.2889, 42.1200, 47.5025 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(112, 187, 176) }
```


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

```
.border{ border-color:rgb(112, 187, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 187, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 187, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 187, 176);  
box-shadow:4px 4px 4px 4px rgb(112, 187,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 32.2889, 42.1200, 47.5025 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 187, 176) }
```

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

```
.background{ background-color: rgb(112,  
187, 176) }
```

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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