

Converting Colors

XYZ(33.4788, 43.4298, 51.4743)

Have a look what the booklet for
XYZ(33.4788, 43.4298, 51.4743)
contains.

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Color

**XYZ(33.4269, 43.2588,
51.3878)**

Conversions

Conversions Part 1

Format	Color
Hex	70BDB7
RGB	112, 189, 183
RGB Percent	44%, 74%, 72%
CMY	0.5608, 0.2588, 0.2823
CMYK	0.41, 0.00, 0.03, 0.26
HSL	175°, 37%, 59%
HSV	175°, 41%, 74%
XYZ	33.4269, 43.2588, 51.3878
YIQ	165.2930, -43.9660, -18.1900

Conversions

Conversions Part 2

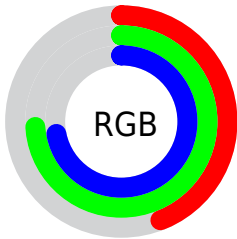
Format	Color
R _Y B	112, 152, 189
Decimal	7388599
CIE Lab	71.73, -25.22, -4.46
CIE LCh	72, 25.608, 190.020
Yxy	43.2588, 0.2610, 0.3378
Android (android.graphics.Color)	4285578679 (0xFF70BDB7)
YUV	165.2930, 8.7296, -46.7380
Hunter-Lab	65.7714, -24.3812, -0.2838

Details

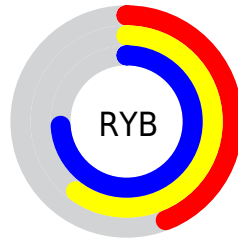
The XYZ color **33.4269, 43.2588, 51.3878** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **30.0519, 23.7163, 20.1348**, and the grayscale version is **35.8803, 37.7489, 41.1085**.

A 20% lighter version of the original color is **64.4721, 80.3590, 93.7742**, and **14.3806, 19.8095, 24.1848** is the 20% darker color. If you saturate the color by 10%, you get **31.1177, 42.0871, 50.4843**, and if you desaturate by 10%, it is **36.2450, 44.6948, 52.3254**.

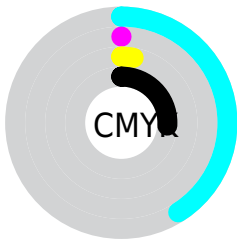
Distribution



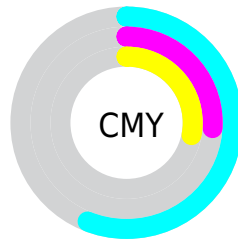
- Red (44%)
- Green (74%)
- Blue (72%)



- Red (44%)
- Yellow (60%)
- Blue (74%)



- Cyan (41%)
- Magenta (0%)
- Yellow (3%)
- Black (26%)



- Cyan (56%)
- Magenta (26%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.4269, 43.2588, 51.3878 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 33.4269, 43.2588, 51.3878 by changing the saturation by 10% instead.

■ 33.4269, 43.2588,
51.3878

■ 33.4269, 43.2588,
51.3878

309.2001,
359.6750, 408.9581

■ 22.6145, 30.0882,
36.1385

■ 64.3917, 80.1013,
93.6451

■ 14.4282, 19.9056,
24.2506

■ 85.2748, 104.5419,
121.4902

■ 8.5028, 12.3264,
15.3057

■ 110.2454,
133.5081, 154.3709

■ 4.4728, 6.9664,
8.8852

139.6690,
167.3841, 192.7058

■ 1.9729, 3.4411,
4.5706

173.9109,
206.5544, 236.9134

■ 0.6187, 1.3661,
1.9433

213.3365,

■ 0.0000, 0.1916,

251.4034, 287.4123

0.5201

258.3111,
302.3155, 344.6210

■ 0.0000, 0.0000,
0.0000

■ 33.4269, 43.2588,
51.3878

■ 33.4269, 43.2588,
51.3878

■ 31.1177, 42.0871,
50.4843

■ 36.2450, 44.6948,
52.3254

■ 29.2818, 41.1580,
49.6104

■ 39.5972, 46.4050,
53.2954

■ 27.8849, 40.4552,
48.7654


■ 43.5118, 48.4048,
54.3001


■ 26.8866, 39.9576,
47.9473


■ 48.0138, 50.7073,
55.3408


■ 26.2390, 39.6406,
47.1539

■ 53.1267, 53.3246,
56.4186

 25.8648, 39.4632,
46.4372

 58.8728, 56.2680,
57.5345

 65.2732, 59.5486,
58.6896

 69.2646, 61.5871,
59.7405

 69.4318, 61.6540,
60.6210

Harmonies

Analogous

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



33.7549, 43.2588, 39.3912



33.4269, 43.2588, 51.3878



35.0453, 43.2588, 64.2207

Triad

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



33.4269, 43.2588, 51.3878



46.7250, 43.2588, 67.8996



44.0369, 43.2588, 28.0062

Complementary

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



33.4269, 43.2588, 51.3878



30.0519, 23.7163, 20.1348

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.



47.8506, 43.2588, 33.3319



33.4269, 43.2588, 51.3878



49.4767, 43.2588, 55.7574

Square

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



33.4269, 43.2588, 51.3878



42.5868, 43.2588, 74.8047



49.9026, 43.2588, 43.0604



39.6798, 43.2588, 27.2530

Rectangle

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



33.4269, 43.2588, 51.3878



37.0819, 43.2588, 71.0106



49.9026, 43.2588, 43.0604



45.4330, 43.2588, 29.2699

Sweetspot

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



33.4282, 43.2605, 51.3888



76.8447, 86.1367, 96.9827



28.6514, 41.4475, 21.8202



16.3206, 18.4188, 20.8048



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.



33.4282, 43.2605, 51.3888



56.0878, 75.5566, 90.5665



27.9115, 31.2060, 52.6983



9.7756, 10.7964, 12.0679



17.4149, 26.5562, 31.3112



0.6918, 1.0441, 1.2772

Inverse Universe

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



30.0519, 23.7163, 20.1348



49.2177, 35.7321, 26.9296



33.8982, 31.9619, 19.7127



9.5595, 9.5481, 10.0696



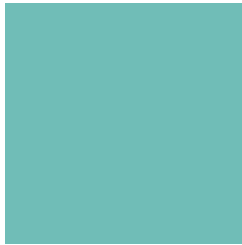
14.1886, 7.3066, 1.0208



0.5662, 0.2904, 0.0947

Previews

White Background



This preview shows how the XYZ color 33.4269, 43.2588, 51.3878 looks on a white background.

Color Contrast Check

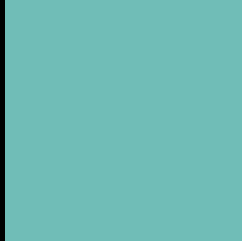
Large Text (above 18pt) WCAG AA × Fail

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 33.4269, 43.2588, 51.3878 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

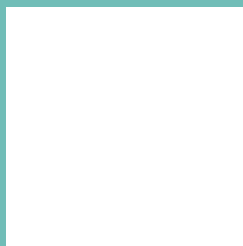
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.4269, 43.2588, 51.3878

Background



This preview shows how black text looks on a background with the XYZ color 33.4269, 43.2588, 51.3878.



This preview shows how white text looks on a background with the XYZ color 33.4269, 43.2588,

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

33.4269, 43.2588, 51.3878

Protanopia

41.1361, 42.7931, 46.1362

Deuteranopia

43.5941, 42.7764, 52.9727



Tritanopia

35.4376, 43.1168, 61.7129

Trichromacy



Original Color

33.4269, 43.2588, 51.3878

Protanomaly

37.3823, 42.2845, 47.7864

Deuteranomaly

38.8831, 42.3604, 52.5814

Tritanomaly

34.5782, 43.0805, 57.5318

Monochromacy



Original Color

33.4269, 43.2588, 51.3878

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

34.4365, 39.3617, 44.8123

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.4269, 43.2588, 51.3878 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, 189, 183)` looks like.

```
.text, #text, p{  
    color:rgb(112, 189, 183)  
}
```

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, 189, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 189, 183) }
```

Border

The CSS property to change the border of an element to XYZ 33.4269, 43.2588, 51.3878 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, 189, 183) }
```


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

```
.border{ border-color:rgb(112, 189, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 189, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 189, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 189, 183);  
box-shadow:4px 4px 4px 4px rgb(112, 189,  
183) }
```

Background

The CSS property to change the background color of an element to XYZ 33.4269, 43.2588, 51.3878 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 189, 183) }
```

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

```
.background{ background-color: rgb(112,  
189, 183) }
```

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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