

Converting Colors

XYZ(33.3065, 42.6340, 48.0300)

Have a look what the booklet for
XYZ(33.3065, 42.6340, 48.0300)
contains.

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Color

**XYZ(33.3139, 42.6369,
48.0689)**

Conversions

Conversions Part 1

Format	Color
Hex	77BBB1
RGB	119, 187, 177
RGB Percent	47%, 73%, 69%
CMY	0.5333, 0.2667, 0.3059
CMYK	0.36, 0.00, 0.05, 0.27
HSL	171°, 33%, 60%
HSV	171°, 36%, 73%
XYZ	33.3139, 42.6369, 48.0689
YIQ	165.5280, -37.3180, -17.5260

Conversions

Conversions Part 2

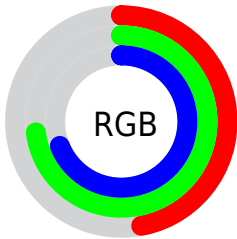
Format	Color
R_{YB}	119, 156, 187
Decimal	7846833
CIE _{Lab}	71.31, -23.79, -1.76
CIE _{LCh}	71, 23.859, 184.223
Yxy	42.6369, 0.2686, 0.3438
Android (android.graphics.Color)	4286036913 (0xFF77BBB1)
YUV	165.5280, 5.6557, -40.8051
Hunter-Lab	65.2969, -23.2006, 2.0610

Details

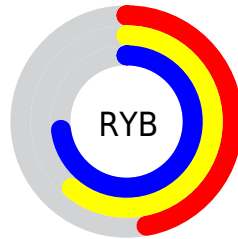
The XYZ color **33.3139, 42.6369, 48.0689** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **31.0543, 25.3446, 24.0258**, and the grayscale version is **36.0053, 37.8804, 41.2518**.

A 20% lighter version of the original color is **64.2141, 78.9830, 88.9516**, and **14.4735, 19.6891, 22.4396** is the 20% darker color. If you saturate the color by 10%, you get **30.7246, 41.3345, 46.5317**, and if you desaturate by 10%, it is **36.4162, 44.2053, 49.6608**.

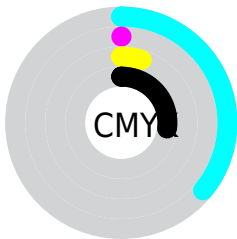
Distribution



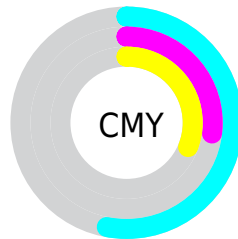
- Red (47%)
- Green (73%)
- Blue (69%)



- Red (47%)
- Yellow (61%)
- Blue (73%)



- Cyan (36%)
- Magenta (0%)
- Yellow (5%)
- Black (27%)





- Cyan (53%)
- Magenta (27%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.3139, 42.6369, 48.0689 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 33.3139, 42.6369, 48.0689 by changing the saturation by 10% instead.


 33.3139, 42.6369,
48.0689


 33.3139, 42.6369,
48.0689


308.7019,
357.1164, 395.5818


 22.5274, 29.6003,
33.5211


 64.2167, 79.1626,
88.6736

 14.3637, 19.5354,
22.2515


 85.0637, 103.4206,
115.5675

 8.4575, 12.0578,
13.8418

 109.9950,
132.1878, 147.4140

 4.4433, 6.7831,
7.8732

139.3758,
165.8487, 184.6314

 1.9558, 3.3268,
3.9273

173.5715,
204.7875, 227.6383

 0.6090, 1.3046,
1.5856

212.9475,

 0.0000, 0.1448,

249.3889, 276.8533

0.2805

257.8692,
300.0370, 332.6950

■ 0.0000, 0.0000,
0.0000

■ 33.3139, 42.6369,
48.0689

■ 33.3139, 42.6369,
48.0689

■ 30.7246, 41.3345,
46.5317

■ 36.4162, 44.2053,
49.6608

■ 28.6147, 40.2775,
45.0447

■ 40.0551, 46.0485,
51.3059

■ 26.9526, 39.4508,
43.6072

■ 44.2573, 48.1816,
53.0065

■ 25.7013, 38.8352,
42.2173

■ 49.0464, 50.6165,
54.7640

■ 24.8176, 38.4085,
40.8727

■ 54.4450, 53.3650,
56.5795

■ 24.2450, 38.1415,
39.5707

■ 60.4743, 56.4380,
58.4541

■ 24.0723, 38.0626,
39.1058

■ 67.1543, 59.8457,
60.3891

■ 69.3205, 60.9259,
62.1428

■ 69.6429, 61.0548,
63.8403

Harmonies

Analogous

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



33.9729, 42.6369, 37.4711



33.3139, 42.6369, 48.0689



34.4800, 42.6369, 59.9792

Triad

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



33.3139, 42.6369, 48.0689



45.0165, 42.6369, 67.1737



43.9703, 42.6369, 29.2483

Complementary

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



33.3139, 42.6369, 48.0689



31.0543, 25.3446, 24.0258

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.



47.2384, 42.6369, 35.0830



33.3139, 42.6369, 48.0689



47.8698, 42.6369, 56.7010

Square

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



33.3139, 42.6369, 48.0689



41.0953, 42.6369, 72.1026



48.7084, 42.6369, 44.8177



39.9602, 42.6369, 27.7059

Rectangle

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



33.3139, 42.6369, 48.0689



36.1838, 42.6369, 66.7353



48.7084, 42.6369, 44.8177



45.2005, 42.6369, 30.7193

Sweetspot

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



33.3151, 42.6386, 48.0699



75.5094, 84.3841, 93.4517



30.1851, 41.5571, 23.8840



16.4046, 18.4692, 20.4885



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.



33.3151, 42.6386, 48.0699



55.7309, 74.3814, 83.7834



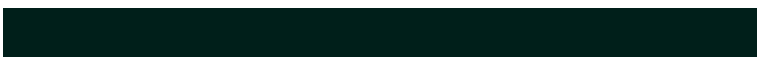
29.7114, 33.7767, 51.9692



9.7466, 10.7848, 11.9151



16.6062, 26.2328, 27.0529



0.6672, 1.0342, 1.1476

Inverse Universe

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



31.0543, 25.3446, 24.0258



51.0736, 38.6796, 34.1963



33.6172, 31.4830, 21.7587



9.5858, 9.5586, 10.2080



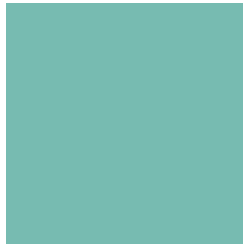
14.2774, 7.3421, 1.4887



0.5778, 0.2950, 0.1557

Previews

White Background



This preview shows how the XYZ color 33.3139, 42.6369, 48.0689 looks on a white background.

Color Contrast Check

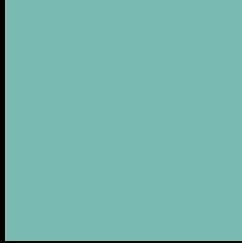
Large Text (above 18pt) WCAG AA × Fail

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 33.3139, 42.6369, 48.0689 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

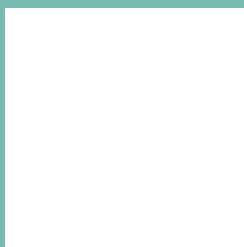
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.3139, 42.6369, 48.0689

Background



This preview shows how black text looks on a background with the XYZ color 33.3139, 42.6369, 48.0689.

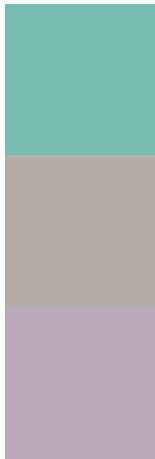


This preview shows how white text looks on a background with the XYZ color 33.3139, 42.6369,

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

33.3139, 42.6369, 48.0689

Protanopia

40.4651, 42.2167, 43.5520

Deuteranopia

43.0220, 42.2769, 49.6088



Tritanopia

35.7615, 42.6896, 60.3879

Trichromacy



Original Color

33.3139, 42.6369, 48.0689

Protanomaly

37.2714, 41.9874, 45.1697

Deuteranomaly

38.6638, 42.0273, 49.2543

Tritanomaly

34.7790, 42.5971, 55.6792

Monochromacy



Original Color

33.3139, 42.6369, 48.0689

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

34.7862, 39.5639, 43.8334

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.3139, 42.6369, 48.0689 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(119, 187, 177)` looks like.

```
.text, #text, p{  
    color:rgb(119, 187, 177)  
}
```

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(119, 187, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 187, 177) }
```

Border

The CSS property to change the border of an element to XYZ 33.3139, 42.6369, 48.0689 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(119, 187, 177) }
```


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

```
.border{ border-color:rgb(119, 187, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 187, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 187, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 187, 177);  
box-shadow:4px 4px 4px 4px rgb(119, 187,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 33.3139, 42.6369, 48.0689 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 187, 177) }
```

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

```
.background{ background-color: rgb(119,  
187, 177) }
```

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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