

Converting Colors

XYZ(33.3176, 40.3869, 49.1000)

Have a look what the booklet for
XYZ(33.3176, 40.3869, 49.1000)
contains.

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Color

**XYZ(33.4616, 40.5270,
49.2389)**

Conversions

Conversions Part 1

Format	Color
Hex	80B4B4
RGB	128, 180, 180
RGB Percent	50%, 71%, 71%
CMY	0.4980, 0.2941, 0.2941
CMYK	0.29, 0.00, 0.00, 0.29
HSL	180°, 26%, 60%
HSV	180°, 29%, 71%
XYZ	33.4616, 40.5270, 49.2389
YIQ	164.4520, -30.9920, -11.0240

Conversions

Conversions Part 2

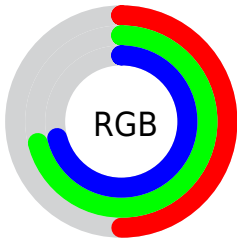
Format	Color
RYB	128, 154, 180
Decimal	8434868
CIELab	69.84, -16.96, -5.51
CIELCh	70, 17.833, 197.990
Yxy	40.5270, 0.2715, 0.3289
Android (android.graphics.Color)	4286624948 (0xFF80B4B4)
YUV	164.4520, 7.6652, -31.9684
Hunter-Lab	63.6608, -17.5827, -1.2957

Details

The XYZ color **33.4616, 40.5270, 49.2389** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **30.4393, 26.7014, 23.9733**, and the grayscale version is **35.4781, 37.3258, 40.6477**.

A 20% lighter version of the original color is **64.4272, 75.9921, 90.6292**, and **14.4006, 18.2475, 22.8418** is the 20% darker color. If you saturate the color by 10%, you get **30.9909, 39.2543, 49.1238**, and if you desaturate by 10%, it is **36.4150, 42.0505, 49.3784**.

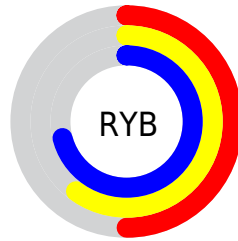
Distribution



Red (50%)

Green (71%)

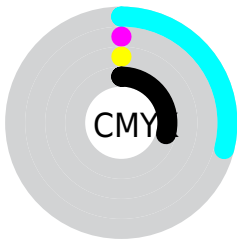
Blue (71%)



Red (50%)

Yellow (60%)

Blue (71%)

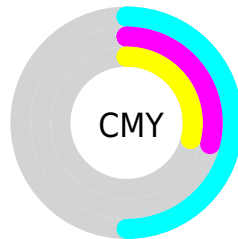


Cyan (29%)

Magenta (0%)

Yellow (0%)

Black (29%)



Cyan (50%)


Magenta (29%)


Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.4616, 40.5270, 49.2389 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 33.4616, 40.5270, 49.2389 by changing the saturation by 10% instead.


 33.4616, 40.5270,
49.2389


 33.4616, 40.5270,
49.2389


309.3530,
348.3398, 400.3315


 22.6412, 27.9497,
34.4421


 64.4454, 75.9653,
90.4308

 14.4480, 18.2877,
22.9533


 85.3395, 99.5952,
117.6630

 8.5167, 11.1568,
14.3541


 110.3223,
127.6779, 149.8774

 4.4819, 6.1724,
8.2258

139.7590,
160.5980, 187.4926

 1.9782, 2.9502,
4.1499

174.0151,
198.7399, 230.9270

 0.6217, 1.1058,
1.7079

213.4559,

 0.0000, 0.0000,

242.4879, 280.5993

0.3662

258.4467,
292.2264, 336.9280

■ 0.0000, 0.0000,
0.0000

■ 33.4616, 40.5270,
49.2389

■ 33.4616, 40.5270,
49.2389

■ 30.9909, 39.2543,
49.1238

■ 36.4150, 42.0505,
49.3784

■ 28.9740, 38.2146,
49.0290

■ 39.8710, 43.8322,
49.5405

■ 27.3842, 37.3950,
48.9542

■ 43.8528, 45.8849,
49.7272

■ 26.1910, 36.7799,
48.8980

■ 48.3811, 48.2193,
49.9396

■ 25.3593, 36.3512,
48.8586

■ 53.4754, 50.8455,
50.1784

■ 24.8483, 36.0878,
48.8343

■ 59.1544, 53.7731,
50.4445

■ 24.5848, 35.9519,
48.8216

■ 65.4357, 57.0112,
50.7389

■ 24.5598, 35.9390,
48.8204

■ 65.8009, 57.1995,
50.7563

■ 65.8010, 57.1995,
50.7567

Harmonies

Analogous

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



33.3249, 40.5270, 40.8904



33.4616, 40.5270, 49.2389



34.9112, 40.5270, 57.0714

Triad

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



33.4616, 40.5270, 49.2389



42.8079, 40.5270, 55.6862



39.6903, 40.5270, 30.2920

Complementary

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



33.4616, 40.5270, 49.2389



30.4393, 26.7014, 23.9733

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.



42.3687, 40.5270, 33.3047



33.4616, 40.5270, 49.2389



44.2281, 40.5270, 47.5300

Square

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



33.4616, 40.5270, 49.2389



40.2655, 40.5270, 61.1028



44.0634, 40.5270, 39.3818



36.8251, 40.5270, 30.6284

Rectangle

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



33.4616, 40.5270, 49.2389



36.4699, 40.5270, 60.6286



44.0634, 40.5270, 39.3818



40.6449, 40.5270, 30.9294

Sweetspot

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



33.4628, 40.5286, 49.2398



72.1132, 79.3818, 89.8154



29.2518, 38.8594, 26.3819



15.3799, 17.0509, 19.4026



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



33.4628, 40.5286, 49.2398



57.5719, 71.8855, 89.1330



28.8407, 31.2842, 47.7002



8.7427, 9.6316, 10.9045



17.1405, 25.0822, 34.0722



0.5393, 0.7892, 1.0721

Inverse Universe

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



30.4393, 26.7014, 23.9733



51.1450, 42.4932, 35.4244



34.1332, 34.0894, 25.2039



8.4964, 8.5053, 8.8465



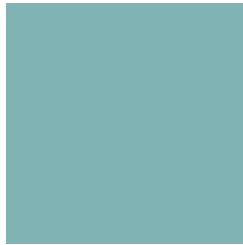
13.1369, 6.7723, 0.6150



0.4133, 0.2131, 0.0194

Previews

White Background



This preview shows how the XYZ color 33.4616, 40.5270, 49.2389 looks on a white background.

Color Contrast Check

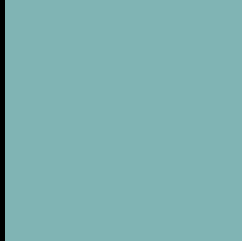
Large Text (above 18pt) WCAG AA × Fail

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 33.4616, 40.5270, 49.2389 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

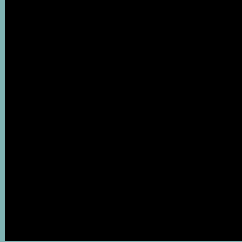
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.4616, 40.5270, 49.2389

Background



This preview shows how black text looks on a background with the XYZ color 33.4616, 40.5270, 49.2389.



This preview shows how white text looks on a background with the XYZ color 33.4616, 40.5270,

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

33.4616, 40.5270, 49.2389

Protanopia

38.8412, 40.2026, 45.7571

Deuteranopia

41.0584, 40.1529, 50.3860



Tritanopia

34.7949, 40.4719, 55.8471

Trichromacy



Original Color

33.4616, 40.5270, 49.2389

Protanomaly

36.4903, 40.0896, 46.8891

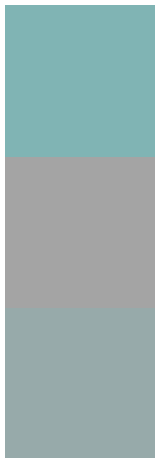
Deuteranomaly

37.7185, 39.8082, 49.9517

Tritanomaly

34.4031, 40.6169, 53.6036

Monochromacy



Original Color

33.4616, 40.5270, 49.2389

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

34.3929, 38.2310, 43.5968

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.4616, 40.5270, 49.2389 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, 180, 180)` looks like.

```
.text, #text, p{  
    color:rgb(128, 180, 180)  
}
```

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, 180, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 180, 180) }
```

Border

The CSS property to change the border of an element to XYZ 33.4616, 40.5270, 49.2389 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, 180, 180) }
```


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

```
.border{ border-color:rgb(128, 180, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 180, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 180, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 180, 180);  
box-shadow:4px 4px 4px 4px rgb(128, 180,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 33.4616, 40.5270, 49.2389 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 180, 180) }
```

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

```
.background{ background-color: rgb(128,  
180, 180) }
```

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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