

Converting Colors

XYZ(30.2127, 46.0222, 48.5434)

Have a look what the booklet for
XYZ(30.2127, 46.0222, 48.5434)
contains.

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Color

**XYZ(30.1759, 46.0040,
48.3635)**

Conversions

Conversions Part 1

Format	Color
Hex	30CAB0
RGB	48, 202, 176
RGB Percent	19%, 79%, 69%
CMY	0.8117, 0.2078, 0.3098
CMYK	0.76, 0.00, 0.13, 0.21
HSL	170°, 62%, 49%
HSV	170°, 76%, 79%
XYZ	30.1759, 46.0040, 48.3635
YIQ	152.9900, -83.4380, -40.7340

Conversions

Conversions Part 2

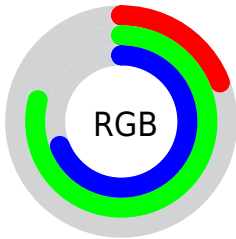
Format	Color
RYB	48, 132, 202
Decimal	3197616
CIELab	73.55, -44.89, 1.80
CIELCh	74, 44.923, 177.710
Yxy	46.0040, 0.2423, 0.3694
Android (android.graphics.Color)	4281387696 (0xFF30CAB0)
YUV	152.9900, 11.3439, -92.0762
Hunter-Lab	67.8262, -39.2813, 5.2016

Details

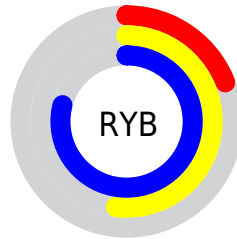
The XYZ color **30.1759, 46.0040, 48.3635** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle muted spring green. A complement of this color would be **26.6516, 15.1661, 8.0030**, and the grayscale version is **30.2537, 31.8293, 34.6621**.

A 20% lighter version of the original color is **57.9332, 81.2681, 88.9768**, and **14.0718, 22.3227, 22.6358** is the 20% darker color. If you saturate the color by 10%, you get **29.0982, 45.4880, 46.5743**, and if you desaturate by 10%, it is **31.6982, 46.7504, 50.2198**.

Distribution



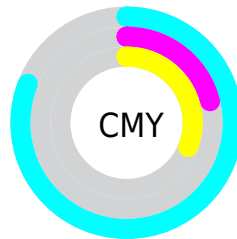
- Red (19%)
- Green (79%)
- Blue (69%)



- Red (19%)
- Yellow (52%)
- Blue (79%)



- Cyan (76%)
- Magenta (0%)
- Yellow (13%)
- Black (21%)




- Cyan (81%)
- Magenta (21%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.1759, 46.0040, 48.3635 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 30.1759, 46.0040, 48.3635 by changing the saturation by 10% instead.


 30.1759, 46.0040,
48.3635

 30.1759, 46.0040,
48.3635


294.6186,
370.8247, 396.7813


 20.1209, 32.2490,
33.7528


 59.3250, 84.2250,
89.1165


 12.5917, 21.5517,
22.4279


 79.1497, 109.4597,
116.0960

 7.2231, 13.5279,
13.9704


 102.9617,
139.2899, 148.0354

 3.6496, 7.7931,
7.9615

 131.1264,
174.0997, 185.3534

 1.5059, 3.9628,
3.9829

 164.0091,
214.2738, 228.4684

 0.3298, 1.6528,
1.6160

201.9751,

 0.0000, 0.3928,

260.1963, 277.7990

0.3022

245.3898,
312.2519, 333.7638

■ 0.0000, 0.0000,
0.0000

■ 30.1759, 46.0040,
48.3635

■ 30.1759, 46.0040,
48.3635

■ 29.0982, 45.4880,
46.5743

■ 31.6982, 46.7504,
50.2198

■ 28.3948, 45.1630,
44.8455

■ 33.7134, 47.7488,
52.1428

■ 28.1794, 45.0658,
44.2081

■ 36.2678, 49.0241,
54.1359

■ 39.4011, 50.5970,
56.2013

■ 43.1493, 52.4858,
58.3410

■ 47.5456, 54.7076,
60.5569

■ 52.6205, 57.2783,
62.8506

■ 58.4028, 60.2127,
65.2239

■ 64.9195, 63.5246,
67.6782

Harmonies

Analogous

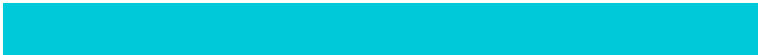
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



32.0476, 46.0040, 30.1756



30.1759, 46.0040, 48.3635



31.5542, 46.0040, 73.2964

Triad

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



30.1759, 46.0040, 48.3635



51.2156, 46.0040, 99.6269



52.3987, 46.0040, 21.4748

Complementary

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



30.1759, 46.0040, 48.3635



26.6516, 15.1661, 8.0030

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.



58.6820, 46.0040, 32.3861



30.1759, 46.0040, 48.3635



57.9428, 46.0040, 77.2666

Square

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



30.1759, 46.0040, 48.3635



43.1182, 46.0040, 107.7115



60.8230, 46.0040, 51.8582



44.3384, 46.0040, 17.8727

Rectangle

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



30.1759, 46.0040, 48.3635



34.2360, 46.0040, 89.8959



60.8230, 46.0040, 51.8582



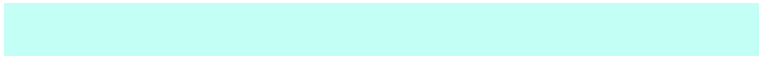
54.8239, 46.0040, 24.2086

Sweetspot

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



30.1772, 46.0058, 48.3646



75.1124, 89.9013, 99.8578



24.6546, 44.0024, 9.9911



15.5280, 18.9653, 21.0836



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.



30.1772, 46.0058, 48.3646



48.4835, 76.6501, 77.0827



23.3106, 27.7535, 60.0074



11.4588, 12.6933, 13.9733



18.1612, 29.0098, 28.5973



0.9590, 1.5054, 1.5917

Inverse Universe

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



26.6516, 15.1661, 8.0030



42.4185, 22.2200, 6.6295



29.1454, 21.2780, 5.3681



11.2883, 11.2441, 12.0530



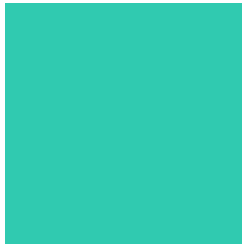
15.8830, 8.1638, 1.8364



0.8440, 0.4310, 0.2242

Previews

White Background



This preview shows how the XYZ color 30.1759, 46.0040, 48.3635 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 30.1759, 46.0040, 48.3635 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

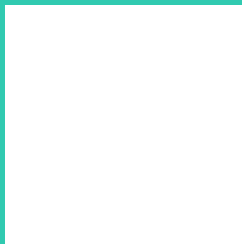
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.1759, 46.0040, 48.3635

Background



This preview shows how black text looks on a background with the XYZ color 30.1759, 46.0040, 48.3635.

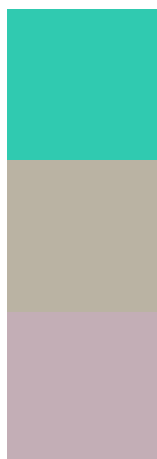


This preview shows how white text looks on a background with the XYZ color 30.1759, 46.0040,

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

30.1759, 46.0040, 48.3635

Protanopia

42.9807, 45.3236, 41.1333

Deuteranopia

46.0852, 45.2516, 50.5614



Tritanopia

34.5023, 46.0387, 70.0187

Trichromacy



Original Color

30.1759, 46.0040, 48.3635



Protanomaly

34.9915, 43.6020, 43.6176



Deuteranomaly

36.5340, 43.3271, 49.6174



Tritanomaly

32.8354, 46.0411, 61.7998

Monochromacy



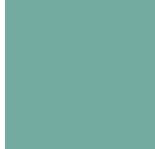
Original Color

30.1759, 46.0040, 48.3635



Achromatopsia

30.2779, 31.8547, 34.6897



Achromatomaly

28.0662, 35.3439, 39.0610

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.1759, 46.0040, 48.3635 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(48, 202, 176)` looks like.

```
.text, #text, p{  
    color:rgb(48, 202, 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(48, 202, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 202, 176) }
```

Border

The CSS property to change the border of an element to XYZ 30.1759, 46.0040, 48.3635 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(48, 202, 176) }
```


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

```
.border{ border-color:rgb(48, 202, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 202, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 202, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 202, 176);  
box-shadow:4px 4px 4px 4px rgb(48, 202,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 30.1759, 46.0040, 48.3635 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 202, 176) }
```

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

```
.background{ background-color: rgb(48, 202,  
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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