

Converting Colors

XYZ(31.8153, 40.4323, 41.6581)

Have a look what the booklet for
XYZ(31.8153, 40.4323, 41.6581)
contains.

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Color

**XYZ(31.8317, 40.4576,
41.7287)**

Conversions

Conversions Part 1

Format	Color
Hex	7CB6A5
RGB	124, 182, 165
RGB Percent	49%, 71%, 65%
CMY	0.5137, 0.2863, 0.3529
CMYK	0.32, 0.00, 0.09, 0.29
HSL	162°, 28%, 60%
HSV	162°, 32%, 71%
XYZ	31.8317, 40.4576, 41.7287
YIQ	162.7200, -29.1110, -17.5830

Conversions

Conversions Part 2

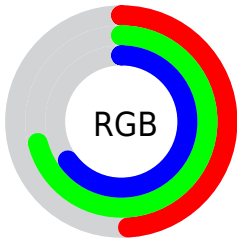
Format	Color
RYB	124, 158, 182
Decimal	8173221
CIELab	69.79, -22.58, 2.65
CIElCh	70, 22.733, 173.313
Yxy	40.4576, 0.2792, 0.3548
Android (android.graphics.Color)	4286363301 (0xFF7CB6A5)
YUV	162.7200, 1.1240, -33.9574
Hunter-Lab	63.6063, -21.9809, 5.6274

Details

The XYZ color **31.8317, 40.4576, 41.7287** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **31.3082, 26.2846, 28.6244**, and the grayscale version is **34.6864, 36.4928, 39.7406**.

A 20% lighter version of the original color is **61.8529, 75.7814, 79.0774**, and **13.5034, 18.2705, 18.4376** is the 20% darker color. If you saturate the color by 10%, you get **28.9650, 39.0358, 39.1129**, and if you desaturate by 10%, it is **35.2064, 42.1411, 44.4758**.

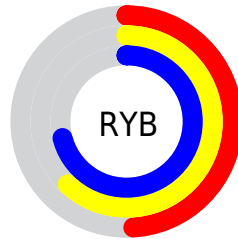
Distribution



Red (49%)

Green (71%)

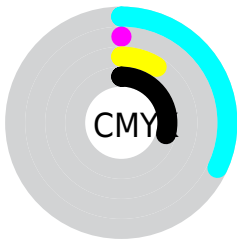
Blue (65%)



Red (49%)

Yellow (62%)

Blue (71%)

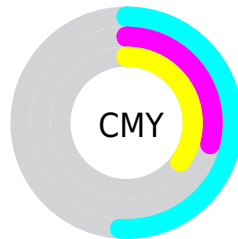


Cyan (32%)

Magenta (0%)

Yellow (9%)

Black (29%)



Cyan (51%)

Magenta (29%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.8317, 40.4576, 41.7287 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 31.8317, 40.4576, 41.7287 by changing the saturation by 10% instead.

■ 31.8317, 40.4576,
41.7287

■ 31.8317, 40.4576,
41.7287

302.1108,
348.0485, 369.1235

■ 21.3879, 27.8955,
28.5649

■ 61.9141, 75.8598,
79.0545

■ 13.5219, 18.2469,
18.5092

■ 82.2835, 99.4688,
104.0536

■ 7.8684, 11.1274,
11.1430

■ 106.6921,
127.5287, 133.8350

■ 4.0619, 6.1526,
6.0477

135.5052,
160.4242, 168.8170

■ 1.7372, 2.9381,
2.8049

169.0883,
198.5395, 209.4184

■ 0.4794, 1.0995,
0.9959

207.8067,

■ 0.0000, 0.0000,

242.2591, 256.0575

0.0000

252.0258,
291.9673, 309.1531

■ 31.8317, 40.4576,
41.7287

■ 31.8317, 40.4576,
41.7287

■ 28.9650, 39.0358,
39.1129

■ 35.2064, 42.1411,
44.4758

■ 26.5759, 37.8568,
36.6230

■ 39.1106, 44.0941,
47.3538

■ 24.6360, 36.9071,
34.2574


■ 43.5687, 46.3303,
50.3660


■ 23.1122, 36.1696,
32.0131


■ 48.6026, 48.8609,
53.5147


■ 21.9669, 35.6251,
29.8871


■ 54.2329, 51.6965,
56.8018


 21.1554, 35.2504,
27.8759

 60.4792, 54.8472,
60.2296

 20.6680, 35.0331,
26.3206

 67.3602, 58.3226,
63.8001

 69.3148, 59.2558,
67.2541

 69.9811, 59.5223,
70.7631

Harmonies

Analogous

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



33.0426, 40.4576, 32.9977



31.8317, 40.4576, 41.7287



32.3019, 40.4576, 52.5880

Triad

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



31.8317, 40.4576, 41.7287



41.3291, 40.4576, 65.4591



42.8480, 40.4576, 29.6895

Complementary

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



31.8317, 40.4576, 41.7287



31.3082, 26.2846, 28.6244

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.



45.3409, 40.4576, 36.4926



31.8317, 40.4576, 41.7287



44.4255, 40.4576, 57.3333

Square

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



31.8317, 40.4576, 41.7287



37.6339, 40.4576, 67.4585



45.9358, 40.4576, 46.4588



39.2854, 40.4576, 26.8022

Rectangle

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



31.8317, 40.4576, 41.7287



33.5212, 40.4576, 59.5040



45.9358, 40.4576, 46.4588



43.8479, 40.4576, 31.5364

Sweetspot

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



31.8328, 40.4592, 41.7296



72.2054, 80.5909, 86.7590



31.4200, 40.6107, 25.2522



15.7104, 17.6810, 18.9964



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



31.8328, 40.4592, 41.7296



54.0907, 71.5512, 72.4130



31.2068, 36.5637, 49.6706



9.1514, 10.1645, 10.9548



14.6250, 24.7509, 18.7450



0.5412, 0.8828, 0.7957

Inverse Universe

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



31.3082, 26.2846, 28.6244



53.0004, 41.9426, 45.0658



31.6788, 28.8974, 22.9777



9.1100, 9.0544, 9.9268



14.1086, 7.2172, 3.1928



0.5253, 0.2656, 0.2597

Previews

White Background



This preview shows how the XYZ color 31.8317, 40.4576, 41.7287 looks on a white background.

Color Contrast Check

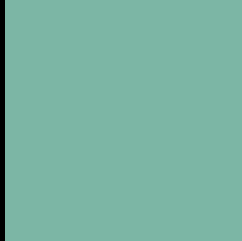
Large Text (above 18pt) WCAG AA × Fail

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 31.8317, 40.4576, 41.7287 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 31.8317, 40.4576, 41.7287

Background



This preview shows how black text looks on a background with the XYZ color 31.8317, 40.4576, 41.7287.

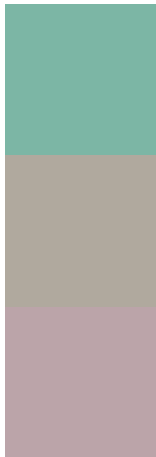


This preview shows how white text looks on a background with the XYZ color 31.8317, 40.4576,

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

31.8317, 40.4576, 41.7287

Protanopia

38.2640, 40.0747, 38.0662

Deuteranopia

40.9304, 39.9803, 43.0958



Tritanopia

34.6407, 40.3924, 55.8399

Trichromacy



Original Color

31.8317, 40.4576, 41.7287

Protanomaly

35.4737, 40.0134, 39.5719

Deuteranomaly

36.9406, 39.8455, 42.7898

Tritanomaly

33.4657, 40.2068, 50.2528

Monochromacy



Original Color

31.8317, 40.4576, 41.7287

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

33.4700, 37.8193, 40.6578

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.8317, 40.4576, 41.7287 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(124, 182, 165)` looks like.

```
.text, #text, p{  
    color:rgb(124, 182, 165)  
}
```

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(124, 182, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 182, 165) }
```

Border

The CSS property to change the border of an element to XYZ 31.8317, 40.4576, 41.7287 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(124, 182, 165) }
```


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

```
.border{ border-color:rgb(124, 182, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 182, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 182, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 182, 165);  
box-shadow:4px 4px 4px 4px rgb(124, 182,  
165) }
```

Background

The CSS property to change the background color of an element to XYZ 31.8317, 40.4576, 41.7287 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 182, 165) }
```

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

```
.background{ background-color: rgb(124,  
182, 165) }
```

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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