

Converting Colors

XYZ(31.7231, 46.8430, 55.9606)

Have a look what the booklet for
XYZ(31.7231, 46.8430, 55.9606)
contains.

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Color

**XYZ(31.8225, 47.0339,
56.1164)**

Conversions

Conversions Part 1

Format	Color
Hex	2FCBBE
RGB	47, 203, 190
RGB Percent	18%, 80%, 75%
CMY	0.8156, 0.2039, 0.2549
CMYK	0.77, 0.00, 0.06, 0.20
HSL	175°, 62%, 49%
HSV	175°, 77%, 80%
XYZ	31.8225, 47.0339, 56.1164
YIQ	154.8740, -88.8030, -37.1150

Conversions

Conversions Part 2

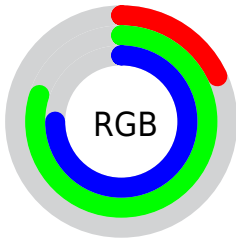
Format	Color
RYB	47, 128, 203
Decimal	3132350
CIELab	74.21, -41.65, -4.81
CIELCh	74, 41.929, 186.594
Yxy	47.0339, 0.2358, 0.3485
Android (android.graphics.Color)	4281322430 (0xFF2FCBBE)
YUV	154.8740, 17.3171, -94.6055
Hunter-Lab	68.5813, -37.1912, -0.5070

Details

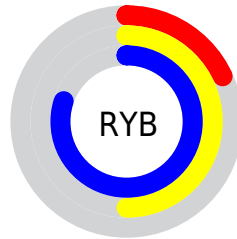
The XYZ color **31.8225, 47.0339, 56.1164** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle muted spring green. A complement of this color would be **26.4623, 15.0572, 5.7883**, and the grayscale version is **31.0560, 32.6733, 35.5813**.

A 20% lighter version of the original color is **60.0023, 82.0958, 99.8724**, and **15.1053, 22.9860, 27.3075** is the 20% darker color. If you saturate the color by 10%, you get **30.9115, 46.5866, 55.1149**, and if you desaturate by 10%, it is **33.1733, 47.7098, 57.1518**.

Distribution



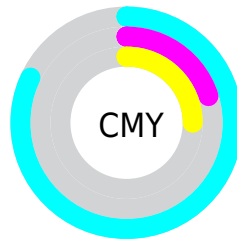
- Red (18%)
- Green (80%)
- Blue (75%)



- Red (18%)
- Yellow (50%)
- Blue (80%)



- Cyan (77%)
- Magenta (0%)
- Yellow (6%)
- Black (20%)





- Cyan (82%)
- Magenta (20%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.8225, 47.0339, 56.1164 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 31.8225, 47.0339, 56.1164 by changing the saturation by 10% instead.


 31.8225, 47.0339,
56.1164


 31.8225, 47.0339,
56.1164


302.0696,
374.9498, 427.5306


 21.3808, 33.0625,
39.8916


 61.8998, 85.7642,
100.6622


 13.5167, 22.1743,
27.1409


 82.2661, 111.2919,
129.8204

 7.8648, 13.9850,
17.4457


 106.6714,
141.4404, 164.1268

 4.0596, 8.1103,
10.3875

 135.4810,
176.5942, 203.9999

 1.7359, 4.1656,
5.5477

 169.0603,
217.1376, 249.8583

 0.4786, 1.7666,
2.5077

207.7746,

 0.0000, 0.4662,

263.4551, 302.1205

0.8443

251.9892,
315.9311, 361.2051

■ 0.0000, 0.0000,
0.0000

■ 31.8225, 47.0339,
56.1164

■ 31.8225, 47.0339,
56.1164

■ 30.9115, 46.5866,
55.1149

■ 33.1733, 47.7098,
57.1518

■ 30.3656, 46.3262,
54.1407

■ 35.0132, 48.6366,
58.2202

■ 30.2284, 46.2620,
53.8370

■ 37.3894, 49.8396,
59.3250

■ 40.3424, 51.3396,
60.4682

■ 43.9087, 53.1557,
61.6514

■ 48.1220, 55.3050,
62.8762

■ 53.0134, 57.8036,
64.1443

■ 58.6120, 60.6665,
65.4569

■ 64.9452, 63.9079,
66.8153

Harmonies

Analogous

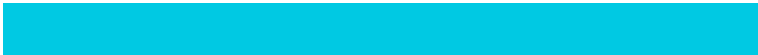
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



32.7030, 47.0339, 36.4584



31.8225, 47.0339, 56.1164



34.0698, 47.0339, 80.0819

Triad

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



31.8225, 47.0339, 56.1164



53.8913, 47.0339, 92.1804



50.6986, 47.0339, 21.8313

Complementary

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



31.8225, 47.0339, 56.1164



26.4623, 15.0572, 5.7883

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.



57.3493, 47.0339, 30.2774



31.8225, 47.0339, 56.1164



59.3322, 47.0339, 69.4892

Square

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



31.8225, 47.0339, 56.1164



46.3855, 47.0339, 104.3550



60.6637, 47.0339, 46.6019



43.0642, 47.0339, 20.1038

Rectangle

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



31.8225, 47.0339, 56.1164



37.2056, 47.0339, 94.1496



60.6637, 47.0339, 46.6019



53.1484, 47.0339, 23.8350

Sweetspot

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



31.8239, 47.0357, 56.1175



75.8889, 90.2119, 103.9471



23.8951, 43.9626, 9.9167



15.7191, 19.0418, 22.0901



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.



31.8239, 47.0357, 56.1175



51.1167, 77.6970, 91.2388



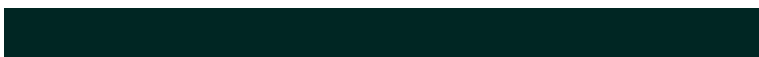
21.4196, 23.8504, 59.9765



11.5014, 12.7103, 14.1976



19.2530, 29.4465, 34.3469



1.0054, 1.5240, 1.8361

Inverse Universe

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



26.4623, 15.0572, 5.7883



41.8795, 21.9274, 4.0285



30.6550, 23.9268, 5.6931



11.2497, 11.2286, 11.8493



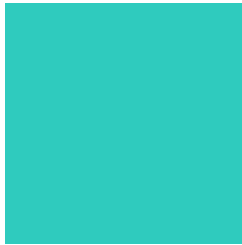
15.7515, 8.1112, 1.1443



0.8260, 0.4238, 0.1298

Previews

White Background



This preview shows how the XYZ color 31.8225, 47.0339, 56.1164 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 31.8225, 47.0339, 56.1164 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

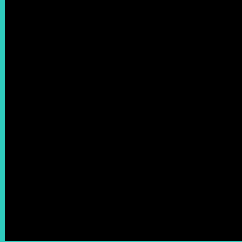
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

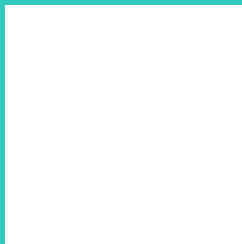
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.8225, 47.0339, 56.1164

Background



This preview shows how black text looks on a background with the XYZ color 31.8225, 47.0339, 56.1164.

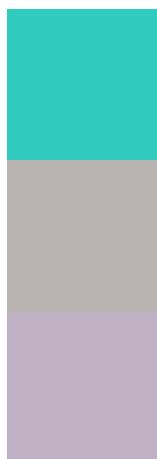


This preview shows how white text looks on a background with the XYZ color 31.8225, 47.0339,

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

31.8225, 47.0339, 56.1164

Protanopia

44.2647, 46.1311, 48.1662

Deuteranopia

47.2274, 46.2427, 58.6611



Tritanopia

34.8035, 46.8431, 71.4973

Trichromacy



Original Color

31.8225, 47.0339, 56.1164



Protanomaly

36.4184, 44.4947, 50.9249



Deuteranomaly

37.9440, 44.5018, 57.6288



Tritanomaly

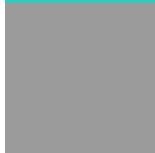
33.5398, 46.6643, 65.6319

Monochromacy



Original Color

31.8225, 47.0339, 56.1164



Achromatopsia

31.1553, 32.7778, 35.6950



Achromatomaly

29.0229, 36.0452, 42.4735

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.8225, 47.0339, 56.1164 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(47, 203, 190)` looks like.

```
.text, #text, p{  
    color:rgb(47, 203, 190)  
}
```

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(47, 203, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 203, 190) }
```

Border

The CSS property to change the border of an element to XYZ 31.8225, 47.0339, 56.1164 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(47, 203, 190) }
```


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

```
.border{ border-color:rgb(47, 203, 190) }
```

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

Here you see how a box with a 4 pixel rgb(47, 203, 190) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 203, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 203, 190);  
box-shadow:4px 4px 4px 4px rgb(47, 203,  
190) }
```

Background

The CSS property to change the background color of an element to XYZ 31.8225, 47.0339, 56.1164 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 203, 190) }
```

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

```
.background{ background-color: rgb(47, 203,  
190) }
```

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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