

Converting Colors

XYZ(31.5852, 40.4979, 49.5050)

Have a look what the booklet for
XYZ(31.5852, 40.4979, 49.5050)
contains.

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Color

**XYZ(31.4784, 40.4135,
49.3215)**

Conversions

Conversions Part 1

Format	Color
Hex	6DB7B4
RGB	109, 183, 180
RGB Percent	43%, 72%, 71%
CMY	0.5725, 0.2823, 0.2941
CMYK	0.40, 0.00, 0.02, 0.28
HSL	178°, 34%, 57%
HSV	178°, 40%, 72%
XYZ	31.4784, 40.4135, 49.3215
YIQ	160.5320, -43.1410, -16.6210

Conversions

Conversions Part 2

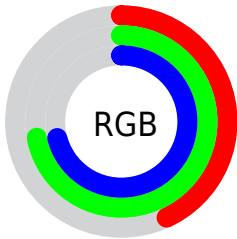
Format	Color
R _Y B	109, 147, 183
Decimal	7190452
CIE Lab	69.76, -23.73, -5.73
CIE LCh	70, 24.415, 193.578
Yxy	40.4135, 0.2597, 0.3334
Android (android.graphics.Color)	4285380532 (0xFF6DB7B4)
YUV	160.5320, 9.5977, -45.1936
Hunter-Lab	63.5716, -22.8635, -1.4995

Details

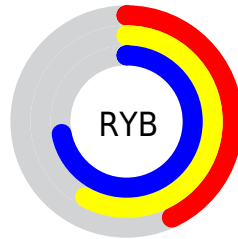
The XYZ color **31.4784, 40.4135, 49.3215** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **27.9231, 22.1756, 18.1394**, and the grayscale version is **33.6316, 35.3830, 38.5321**.

A 20% lighter version of the original color is **61.3167, 75.6816, 90.7332**, and **13.3347, 18.2818, 22.9046** is the 20% darker color. If you saturate the color by 10%, you get **29.3822, 39.3426, 48.8305**, and if you desaturate by 10%, it is **34.0461, 41.7294, 49.8385**.

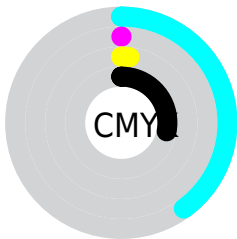
Distribution



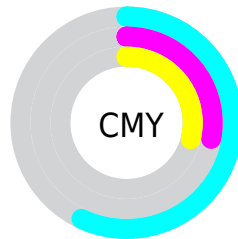
- Red (43%)
- Green (72%)
- Blue (71%)



- Red (43%)
- Yellow (58%)
- Blue (72%)



- Cyan (40%)
- Magenta (0%)
- Yellow (2%)
- Black (28%)



- Cyan (57%)
- Magenta (28%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.4784, 40.4135, 49.3215 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 31.4784, 40.4135, 49.3215 by changing the saturation by 10% instead.

■ 31.4784, 40.4135,
49.3215

■ 31.4784, 40.4135,
49.3215

300.5240,
347.8633, 400.6654

■ 21.1170, 27.8611,
34.5072

■ 61.3632, 75.7928,
90.5547

■ 13.3225, 18.2210,
23.0030

■ 81.6174, 99.3884,
117.8106

■ 7.7295, 11.1088,
14.3904

■ 105.8998,
127.4339, 150.0509

■ 3.9727, 6.1400,
8.2508

■ 134.5759,
160.3137, 187.6940

■ 1.6867, 2.9304,
4.1658

168.0110,
198.4121, 231.1584

■ 0.4479, 1.0955,
1.7167

206.5705,

■ 0.0000, 0.0000,

242.1136, 280.8628

0.3722

250.6197,
291.8026, 337.2256

■ 0.0000, 0.0000,
0.0000

■ 31.4784, 40.4135,
49.3215

■ 31.4784, 40.4135,
49.3215

■ 29.3822, 39.3426,
48.8305

■ 34.0461, 41.7294,
49.8385

■ 27.7246, 38.4967,
48.3612

■ 37.1084, 43.2993,
50.3798

■ 26.4742, 37.8607,
47.9131

■ 40.6914, 45.1375,
50.9476

■ 25.5938, 37.4154,
47.4845

■ 44.8181, 47.2560,
51.5430

■ 25.0395, 37.1382,
47.0732

■ 49.5104, 49.6660,
52.1670

■ 24.7291, 36.9863,
46.6921

■ 54.7886, 52.3780,
52.8206

■ 60.6724, 55.4022,
53.5046

■ 67.0308, 58.6710,
54.2130

■ 67.1099, 58.7026,
54.6296

Harmonies

Analogous

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



31.5641, 40.4135, 38.1242



31.4784, 40.4135, 49.3215



33.1578, 40.4135, 60.8041

Triad

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



31.4784, 40.4135, 49.3215



43.9008, 40.4135, 61.7583



40.6040, 40.4135, 26.2321

Complementary

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



31.4784, 40.4135, 49.3215



27.9231, 22.1756, 18.1394

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.



44.1935, 40.4135, 30.6232



31.4784, 40.4135, 49.3215



46.1845, 40.4135, 50.4580

Square

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



31.4784, 40.4135, 49.3215



40.2264, 40.4135, 68.7741



46.2952, 40.4135, 39.0821



36.6526, 40.4135, 26.0342

Rectangle

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



31.4784, 40.4135, 49.3215



35.1236, 40.4135, 66.5523



46.2952, 40.4135, 39.0821



41.8991, 40.4135, 27.2274

Sweetspot

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



31.4796, 40.4151, 49.3224



71.6747, 80.2216, 91.0601



26.4666, 38.4636, 20.4982



15.6401, 17.6206, 20.0829



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.



31.4796, 40.4151, 49.3224



52.8328, 70.5674, 87.5052



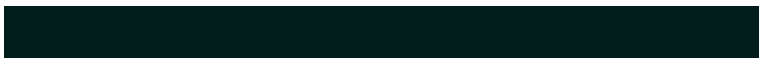
25.7137, 28.3886, 48.9258



9.2505, 10.2042, 11.4766



17.2571, 25.8038, 32.6053



0.6133, 0.9116, 1.1752

Inverse Universe

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



27.9231, 22.1756, 18.1394



45.5501, 33.1897, 23.6296



32.0079, 30.6083, 18.6899



9.0190, 9.0180, 9.4474



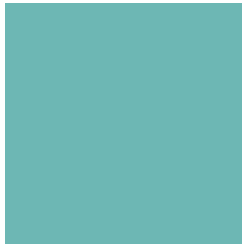
13.6579, 7.0369, 0.8196



0.4865, 0.2501, 0.0553

Previews

White Background



This preview shows how the XYZ color 31.4784, 40.4135, 49.3215 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 31.4784, 40.4135, 49.3215 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

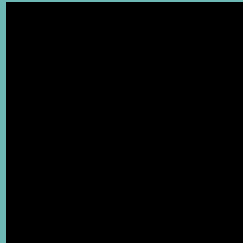
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.4784, 40.4135, 49.3215

Background



This preview shows how black text looks on a background with the XYZ color 31.4784, 40.4135, 49.3215.

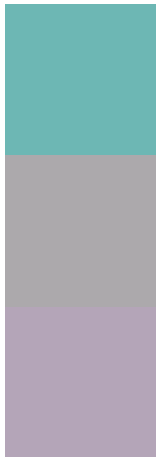


This preview shows how white text looks on a background with the XYZ color 31.4784, 40.4135,

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

31.4784, 40.4135, 49.3215

Protanopia

38.6476, 40.1251, 44.7377

Deuteranopia

40.9293, 40.0743, 50.9253



Tritanopia

33.1843, 40.4986, 57.6978

Trichromacy



Original Color

31.4784, 40.4135, 49.3215

Protanomaly

35.2683, 39.7568, 46.3724

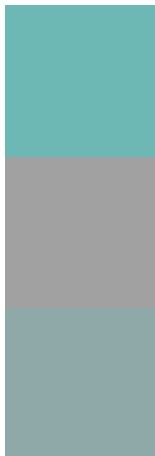
Deuteranomaly

36.6262, 39.7940, 50.5503

Tritanomaly

32.7043, 40.6183, 54.8316

Monochromacy



Original Color

31.4784, 40.4135, 49.3215

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

32.4112, 36.9539, 42.4703

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.4784, 40.4135, 49.3215 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(109, 183, 180)` looks like.

```
.text, #text, p{  
    color:rgb(109, 183, 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(109, 183, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 183, 180) }
```

Border

The CSS property to change the border of an element to XYZ 31.4784, 40.4135, 49.3215 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(109, 183, 180) }
```


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

```
.border{ border-color:rgb(109, 183, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 183, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 183, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 183, 180);  
box-shadow:4px 4px 4px 4px rgb(109, 183,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 31.4784, 40.4135, 49.3215 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 183, 180) }
```

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

```
.background{ background-color: rgb(109,  
183, 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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