

Converting Colors

XYZ(31.3768, 40.1139, 47.8357)

Have a look what the booklet for
XYZ(31.3768, 40.1139, 47.8357)
contains.

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Color

**XYZ(31.3459, 40.0750,
47.6781)**

Conversions

Conversions Part 1

Format	Color
Hex	70B6B1
RGB	112, 182, 177
RGB Percent	44%, 71%, 69%
CMY	0.5608, 0.2863, 0.3059
CMYK	0.38, 0.00, 0.03, 0.29
HSL	176°, 32%, 58%
HSV	176°, 38%, 71%
XYZ	31.3459, 40.0750, 47.6781
YIQ	160.5000, -40.1150, -16.3950

Conversions

Conversions Part 2

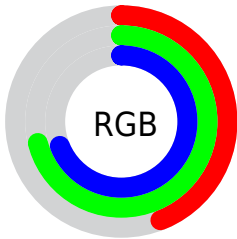
Format	Color
RYB	112, 148, 182
Decimal	7386801
CIELab	69.52, -23.18, -4.42
CIELCh	70, 23.602, 190.795
Yxy	40.0750, 0.2632, 0.3365
Android (android.graphics.Color)	4285576881 (0xFF70B6B1)
YUV	160.5000, 8.1345, -42.5345
Hunter-Lab	63.3048, -22.3977, -0.3410

Details

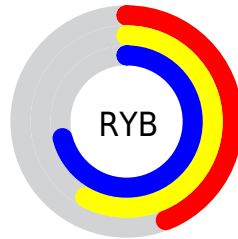
The XYZ color **31.3459, 40.0750, 47.6781** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **28.2979, 22.8190, 19.7443**, and the grayscale version is **33.6223, 35.3733, 38.5215**.

A 20% lighter version of the original color is **61.2189, 75.2478, 88.3885**, and **13.2969, 18.0807, 22.1911** is the 20% darker color. If you saturate the color by 10%, you get **29.1314, 38.9493, 46.9018**, and if you desaturate by 10%, it is **34.0320, 41.4457, 48.4847**.

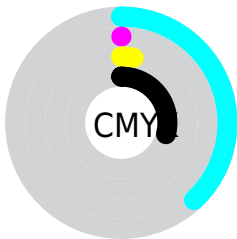
Distribution



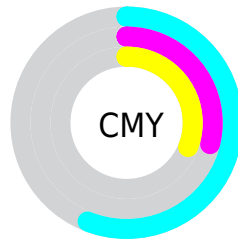
- Red (44%)
- Green (71%)
- Blue (69%)



- Red (44%)
- Yellow (58%)
- Blue (71%)



- Cyan (38%)
- Magenta (0%)
- Yellow (3%)
- Black (29%)



- Cyan (56%)
- Magenta (29%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.3459, 40.0750, 47.6781 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 31.3459, 40.0750, 47.6781 by changing the saturation by 10% instead.

■ 31.3459, 40.0750,
47.6781

■ 31.3459, 40.0750,
47.6781

299.9272,
346.4396, 393.9866

■ 21.0155, 27.5970,
33.2139

■ 61.1564, 75.2777,
88.0855

■ 13.2479, 18.0221,
22.0179

■ 81.3672, 98.7712,
114.8657

■ 7.6776, 10.9659,
13.6716

■ 105.6022,
126.7054, 146.5884

■ 3.9394, 6.0439,
7.7565

134.2267,
159.4646, 183.6719

■ 1.6679, 2.8718,
3.8540

167.6061,
197.4332, 226.5350

■ 0.4361, 1.0652,
1.5456

206.1058,

■ 0.0000, 0.0000,

240.9956, 275.5961

0.2515

250.0910,
290.5363, 331.2738

■ 0.0000, 0.0000,
0.0000

■ 31.3459, 40.0750,
47.6781

■ 31.3459, 40.0750,
47.6781

■ 29.1314, 38.9493,
46.9018

■ 34.0320, 41.4457,
48.4847

■ 27.3567, 38.0492,
46.1516

■ 37.2123, 43.0700,
49.3200

■ 25.9915, 37.3600,
45.4270


■ 40.9120, 44.9619,
50.1861


■ 25.0001, 36.8634,
44.7263


■ 45.1536, 47.1331,
51.0841


■ 24.3409, 36.5379,
44.0475


■ 49.9584, 49.5944,
52.0149


 23.9437, 36.3473,
43.3874

 55.3463, 52.3562,
52.9796

 23.8899, 36.3217,
43.2867

 61.3364, 55.4283,
53.9790

 66.9818, 58.3225,
54.9688

 67.1221, 58.3786,
55.7076

Harmonies

Analogous

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



31.5904, 40.0750, 37.0990



31.3459, 40.0750, 47.6781



32.8155, 40.0750, 58.8061

Triad

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



31.3459, 40.0750, 47.6781



43.0729, 40.0750, 61.4971



40.5478, 40.0750, 26.6882

Complementary

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



31.3459, 40.0750, 47.6781



28.2979, 22.8190, 19.7443

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.



43.9016, 40.0750, 31.3269



31.3459, 40.0750, 47.6781



45.4252, 40.0750, 50.8966

Square

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



31.3459, 40.0750, 47.6781



39.4769, 40.0750, 67.6228



45.7382, 40.0750, 39.8269



36.7362, 40.0750, 26.1192

Rectangle

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



31.3459, 40.0750, 47.6781



34.6306, 40.0750, 64.5986



45.7382, 40.0750, 39.8269



41.7726, 40.0750, 27.7818

Sweetspot

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



31.3471, 40.0766, 47.6790



71.5473, 80.1706, 90.3890



27.1025, 38.4673, 21.3267



15.6090, 17.6082, 19.9191



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.



31.3471, 40.0766, 47.6790



53.4314, 70.9262, 85.2627



26.4909, 29.5515, 48.5656



9.2382, 10.1993, 11.4119



16.8804, 25.6531, 30.6220



0.6034, 0.9077, 1.1234

Inverse Universe

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



28.2979, 22.8190, 19.7443



47.1360, 35.2581, 27.5602



31.7670, 30.2153, 19.4880



9.0300, 9.0224, 9.5051



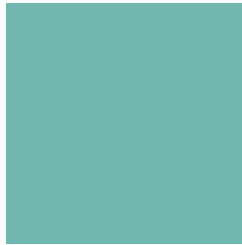
13.6844, 7.0475, 0.9592



0.4912, 0.2520, 0.0803

Previews

White Background



This preview shows how the XYZ color 31.3459, 40.0750, 47.6781 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 31.3459, 40.0750, 47.6781 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 31.3459, 40.0750, 47.6781

Background



This preview shows how black text looks on a background with the XYZ color 31.3459, 40.0750, 47.6781.



This preview shows how white text looks on a background with the XYZ color 31.3459, 40.0750,

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

31.3459, 40.0750, 47.6781

Protanopia

38.1773, 39.6405, 43.1753

Deuteranopia

40.4383, 39.5904, 49.2264



Tritanopia

33.0602, 39.8482, 56.9880

Trichromacy



Original Color

31.3459, 40.0750, 47.6781

Protanomaly

34.9676, 39.3497, 44.7820

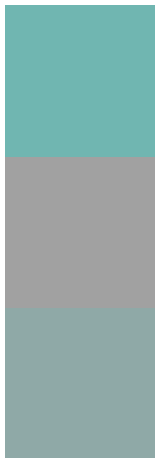
Deuteranomaly

36.3187, 39.3897, 48.8688

Tritanomaly

32.4686, 39.9182, 53.5707

Monochromacy



Original Color

31.3459, 40.0750, 47.6781

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

32.4907, 37.0056, 41.9896

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.3459, 40.0750, 47.6781 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(112, 182, 177)` looks like.

```
.text, #text, p{  
    color:rgb(112, 182, 177)  
}
```

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(112, 182, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 182, 177) }
```

Border

The CSS property to change the border of an element to XYZ 31.3459, 40.0750, 47.6781 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(112, 182, 177) }
```


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

```
.border{ border-color:rgb(112, 182, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 182, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 182, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 182, 177);  
box-shadow:4px 4px 4px 4px rgb(112, 182,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 31.3459, 40.0750, 47.6781 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 182, 177) }
```

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

```
.background{ background-color: rgb(112,  
182, 177) }
```

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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