

Converting Colors

XYZ(31.3698, 40.2461, 50.7853)

Have a look what the booklet for
XYZ(31.3698, 40.2461, 50.7853)
contains.

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Color

**XYZ(31.4246, 40.3500,
50.9318)**

Conversions

Conversions Part 1

Format	Color
Hex	6AB7B7
RGB	106, 183, 183
RGB Percent	42%, 72%, 72%
CMY	0.5843, 0.2823, 0.2823
CMYK	0.42, 0.00, 0.00, 0.28
HSL	180°, 35%, 57%
HSV	180°, 42%, 72%
XYZ	31.4246, 40.3500, 50.9318
YIQ	159.9770, -45.8920, -16.3240

Conversions

Conversions Part 2

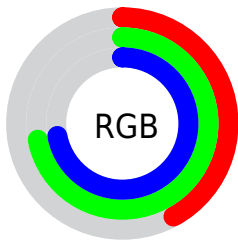
Format	Color
RYB	106, 145, 183
Decimal	6993847
CIELab	69.72, -23.74, -7.46
CIELCh	70, 24.882, 197.454
Yxy	40.3500, 0.2561, 0.3288
Android (android.graphics.Color)	4285183927 (0xFF6AB7B7)
YUV	159.9770, 11.3503, -47.3378
Hunter-Lab	63.5216, -22.8577, -3.0737

Details

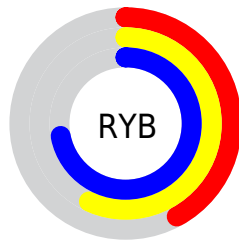
The XYZ color **31.4246, 40.3500, 50.9318** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **27.2854, 21.4172, 16.3330**, and the grayscale version is **33.3685, 35.1063, 38.2307**.

A 20% lighter version of the original color is **61.1444, 75.5421, 93.0198**, and **13.3273, 18.2551, 23.9403** is the 20% darker color. If you saturate the color by 10%, you get **29.4779, 39.3474, 50.8413**, and if you desaturate by 10%, it is **33.8377, 41.5950, 51.0459**.

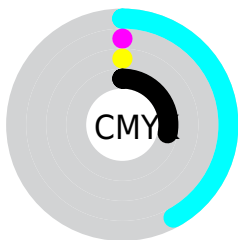
Distribution



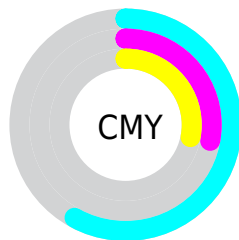
- Red (42%)
- Green (72%)
- Blue (72%)



- Red (42%)
- Yellow (57%)
- Blue (72%)



- Cyan (42%)
- Magenta (0%)
- Yellow (0%)
- Black (28%)



- Cyan (58%)
- Magenta (28%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.4246, 40.3500, 50.9318 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 31.4246, 40.3500, 50.9318 by changing the saturation by 10% instead.

■ 31.4246, 40.3500,
50.9318

■ 31.4246, 40.3500,
50.9318

300.2818,
347.5966, 407.1377

■ 21.0758, 27.8115,
35.7780

■ 61.2793, 75.6962,
92.9644

■ 13.2922, 18.1836,
23.9744

■ 81.5158, 99.2727,
120.6803

■ 7.7084, 11.0819,
15.1026

■ 105.7790,
127.2974, 153.4206

■ 3.9592, 6.1220,
8.7440

■ 134.4342,
160.1545, 191.6039

■ 1.6791, 2.9194,
4.4801

167.8467,
198.2287, 235.6488

■ 0.4431, 1.0898,
1.8922

206.3819,

■ 0.0000, 0.0000,

241.9041, 285.9736

0.4878

250.4051,
291.5653, 342.9971

■ 0.0000, 0.0000,
0.0000

■ 31.4246, 40.3500,
50.9318

■ 31.4246, 40.3500,
50.9318

■ 29.4779, 39.3474,
50.8413

■ 33.8377, 41.5950,
51.0459

■ 27.9643, 38.5671,
50.7703

■ 36.7409, 43.0916,
51.1819

■ 26.8518, 37.9936,
50.7180

■ 40.1604, 44.8544,
51.3422

■ 26.1022, 37.6072,
50.6827

■ 44.1195, 46.8954,
51.5277

■ 25.6703, 37.3845,
50.6622

■ 48.6402, 49.2259,
51.7395

■ 25.4812, 37.2871,
50.6532

■ 53.7433, 51.8566,
51.9786

■ 59.4483, 54.7977,
52.2458

■ 65.7740, 58.0587,
52.5421

■ 66.7219, 58.5473,
52.5867

Harmonies

Analogous

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



31.2745, 40.3500, 39.2880



31.4246, 40.3500, 50.9318



33.3471, 40.3500, 62.3944

Triad

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



31.4246, 40.3500, 50.9318



44.3478, 40.3500, 60.7122



40.0593, 40.3500, 25.6384

Complementary

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



31.4246, 40.3500, 50.9318



27.2854, 21.4172, 16.3330

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.



43.8329, 40.3500, 29.5298



31.4246, 40.3500, 50.9318



46.4228, 40.3500, 48.9331

Square

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



31.4246, 40.3500, 50.9318



40.7227, 40.3500, 68.6851



46.2281, 40.3500, 37.6090



36.0741, 40.3500, 25.9833

Rectangle

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



31.4246, 40.3500, 50.9318



35.4566, 40.3500, 67.7808



46.2281, 40.3500, 37.6090



41.3998, 40.3500, 26.4614

Sweetspot

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



31.4258, 40.3516, 50.9327



71.1782, 79.9462, 91.9148



25.6338, 38.0525, 19.6305



15.4099, 17.4972, 20.2866



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.



31.4258, 40.3516, 50.9327



53.1848, 70.6702, 91.0712



24.7379, 26.9755, 48.7044



9.2667, 10.2107, 11.5618



17.7755, 26.0111, 35.3352



0.6266, 0.9170, 1.2457

Inverse Universe

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



27.2854, 21.4172, 16.3330



44.8260, 32.4449, 21.2200



31.9864, 30.8194, 17.8996



9.0046, 9.0122, 9.3719



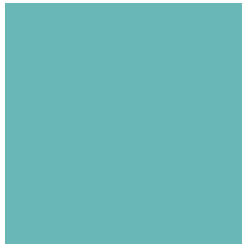
13.6234, 7.0231, 0.6377



0.4803, 0.2476, 0.0225

Previews

White Background



This preview shows how the XYZ color 31.4246, 40.3500, 50.9318 looks on a white background.

Color Contrast Check

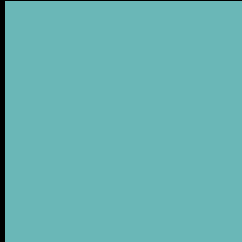
Large Text (above 18pt) WCAG AA × Fail

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 31.4246, 40.3500, 50.9318 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

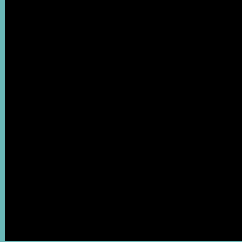
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.4246, 40.3500, 50.9318

Background



This preview shows how black text looks on a background with the XYZ color 31.4246, 40.3500, 50.9318.



This preview shows how white text looks on a background with the XYZ color 31.4246, 40.3500,

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

31.4246, 40.3500, 50.9318

Protanopia

38.6225, 40.0899, 45.7469

Deuteranopia

40.7849, 39.9631, 52.5778



Tritanopia

32.9181, 40.3483, 58.2776

Trichromacy



Original Color

31.4246, 40.3500, 50.9318

Protanomaly

35.1045, 39.6495, 47.3979

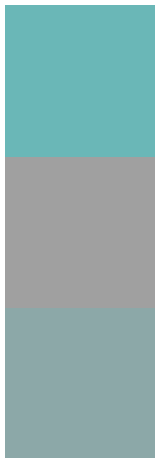
Deuteranomaly

36.5643, 39.7256, 52.1950

Tritanomaly

32.4386, 40.4687, 55.3918

Monochromacy



Original Color

31.4246, 40.3500, 50.9318

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

31.8857, 36.4079, 42.3927

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.4246, 40.3500, 50.9318 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(106, 183, 183)` looks like.

```
.text, #text, p{  
    color:rgb(106, 183, 183)  
}
```

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(106, 183, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 183, 183) }
```

Border

The CSS property to change the border of an element to XYZ 31.4246, 40.3500, 50.9318 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(106, 183, 183) }
```


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

```
.border{ border-color:rgb(106, 183, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 183, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 183, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 183, 183);  
box-shadow:4px 4px 4px 4px rgb(106, 183,  
183) }
```

Background

The CSS property to change the background color of an element to XYZ 31.4246, 40.3500, 50.9318 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 183, 183) }
```

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

```
.background{ background-color: rgb(106,  
183, 183) }
```

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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