

Converting Colors

XYZ(30.2510, 35.3238, 48.4933)

Have a look what the booklet for
XYZ(30.2510, 35.3238, 48.4933)
contains.

XYZ(30.2669, 35.4381, 48.4250)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(30.2669, 35.4381,
48.4250)**

Conversions

Conversions Part 1

Format	Color
Hex	7AA8B4
RGB	122, 168, 180
RGB Percent	48%, 66%, 71%
CMY	0.5216, 0.3412, 0.2941
CMYK	0.32, 0.07, 0.00, 0.29
HSL	192°, 28%, 59%
HSV	192°, 32%, 71%
XYZ	30.2669, 35.4381, 48.4250
YIQ	155.6140, -31.2680, -6.0200

Conversions

Conversions Part 2

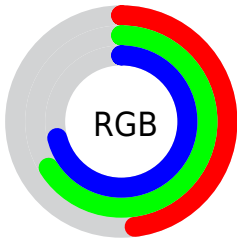
Format	Color
RYB	122, 148, 180
Decimal	8038580
CIELab	66.09, -12.39, -11.13
CIElCh	66, 16.656, 221.936
Yxy	35.4381, 0.2652, 0.3105
Android (android.graphics.Color)	4286228660 (0xFF7AA8B4)
YUV	155.6140, 12.0223, -29.4795
Hunter-Lab	59.5299, -13.4223, -6.5589

Details

The XYZ color **30.2669, 35.4381, 48.4250** is a light color, and the websafe version is hex **669999**. A complement of this color would be **30.8609, 28.1591, 22.2220**, and the grayscale version is **31.3871, 33.0216, 35.9606**.

A 20% lighter version of the original color is **59.4325, 68.0616, 89.3617**, and **12.6019, 15.3252, 22.3725** is the 20% darker color. If you saturate the color by 10%, you get **27.2731, 32.8896, 48.0915**, and if you desaturate by 10%, it is **33.7546, 38.2722, 48.7888**.

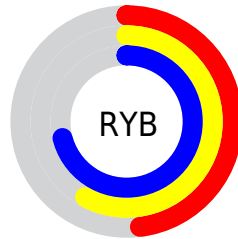
Distribution



Red (48%)

Green (66%)

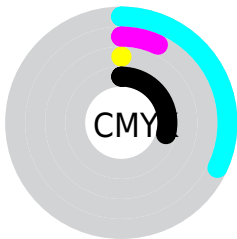
Blue (71%)



Red (48%)

Yellow (58%)

Blue (71%)

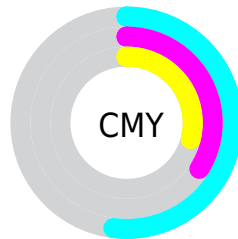


Cyan (32%)

Magenta (7%)

Yellow (0%)

Black (29%)



Cyan (52%)

Magenta (34%)

Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.2669, 35.4381, 48.4250 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 30.2669, 35.4381, 48.4250 by changing the saturation by 10% instead.

■ 30.2669, 35.4381,
48.4250

■ 30.2669, 35.4381,
48.4250

295.0341,
326.4979, 397.0315

■ 20.1903, 24.0005,
33.8012

■ 59.4677, 68.1639,
89.2090

■ 12.6425, 15.3340,
22.4648

■ 79.3227, 90.2209,
116.2062

■ 7.2582, 9.0541,
13.9972

■ 103.1679,
116.5866, 148.1650

■ 3.6718, 4.7765,
7.9800

131.3686,
147.6452, 185.5040

■ 1.5182, 2.1167,
3.9946

164.2903,
183.7813, 228.6415

■ 0.3382, 0.6740,
1.6224

202.2982,

■ 0.0000, 0.0000,

225.3792, 277.9963

0.3067

245.7576,
272.8232, 333.9867

■ 0.0000, 0.0000,
0.0000

■ 30.2669, 35.4381,
48.4250

■ 30.2669, 35.4381,
48.4250

■ 27.2731, 32.8896,
48.0915

■ 33.7546, 38.2722,
48.7888

■ 24.7437, 30.6086,
47.7845

■ 37.7573, 41.4003,
49.1816

■ 22.6510, 28.5815,
47.5036

■ 42.2986, 44.8358,
49.6054

■ 20.9628, 26.7915,
47.2470

■ 47.3997, 48.5899,
50.0612

■ 19.6425, 25.2193,
47.0131

■ 53.0808, 52.6731,
50.5499

■ 18.6462, 23.8421,
46.7998

■ 59.3609, 57.0955,
51.0725

■ 18.0255, 22.8696,
46.6448

■ 66.2581, 61.8666,
51.6299

■ 69.6250, 64.8486,
52.0280

■ 70.4855, 66.5696,
52.3148

Harmonies

Analogous

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



29.2401, 35.4381, 41.4727



30.2669, 35.4381, 48.4250



32.2294, 35.4381, 53.0404

Triad

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



30.2669, 35.4381, 48.4250



38.4105, 35.4381, 42.9661



32.7086, 35.4381, 26.7336

Complementary

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



30.2669, 35.4381, 48.4250



30.8609, 28.1591, 22.2220

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.



35.1794, 35.4381, 27.0298



30.2669, 35.4381, 48.4250



38.5543, 35.4381, 35.8365

Square

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



30.2669, 35.4381, 48.4250



36.9628, 35.4381, 49.6328



37.3466, 35.4381, 30.1792



30.6029, 35.4381, 29.3136

Rectangle

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



30.2669, 35.4381, 48.4250



33.8438, 35.4381, 53.8651



37.3466, 35.4381, 30.1792



33.5224, 35.4381, 26.5097

Sweetspot

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



30.2680, 35.4395, 48.4258



70.0682, 76.2975, 89.3285



28.6233, 38.4909, 28.3301



14.9090, 16.3106, 19.2847



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



30.2680, 35.4395, 48.4258



50.7558, 60.7684, 87.3490



25.5558, 26.0151, 46.8551



8.5904, 9.3271, 10.8539



12.6296, 16.0596, 32.5712



0.4351, 0.5806, 1.0374

Inverse Universe

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



32.8507, 26.4505, 40.4213



56.3198, 42.2119, 69.9235



35.3622, 37.1618, 23.7224



8.7732, 8.6160, 10.3042



16.6095, 8.1614, 18.9015



0.5416, 0.2644, 0.6949

Previews

White Background



This preview shows how the XYZ color 30.2669, 35.4381, 48.4250 looks on a white background.

Color Contrast Check

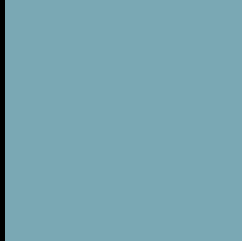
Large Text (above 18pt) WCAG AA × Fail

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 30.2669, 35.4381, 48.4250 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

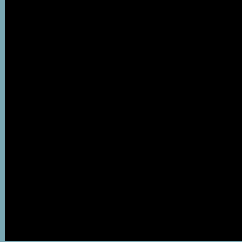
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

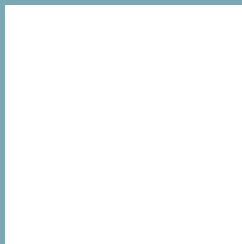
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.2669, 35.4381, 48.4250

Background



This preview shows how black text looks on a background with the XYZ color 30.2669, 35.4381, 48.4250.

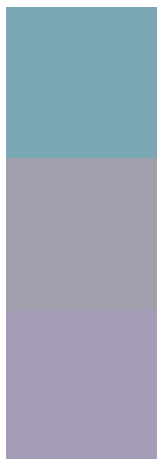


This preview shows how white text looks on a background with the XYZ color 30.2669, 35.4381,

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

30.2669, 35.4381, 48.4250

Protanopia

34.3362, 35.2232, 45.0334

Deuteranopia

35.9528, 35.1952, 49.6982



Tritanopia

30.3692, 35.4790, 48.9636

Trichromacy



Original Color

30.2669, 35.4381, 48.4250

Protanomaly

32.6109, 35.0862, 46.1278

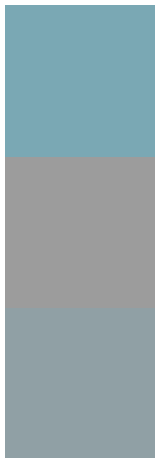
Deuteranomaly

33.4087, 34.9086, 49.2332

Tritanomaly

30.3692, 35.4790, 48.9636

Monochromacy



Original Color

30.2669, 35.4381, 48.4250

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

30.8639, 33.7875, 40.4922

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.2669, 35.4381, 48.4250 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(122, 168, 180)` looks like.

```
.text, #text, p{  
    color:rgb(122, 168, 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(122, 168, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 168, 180) }
```

Border

The CSS property to change the border of an element to XYZ 30.2669, 35.4381, 48.4250 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(122, 168, 180) }
```


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

```
.border{ border-color:rgb(122, 168, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 168, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 168, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 168, 180);  
box-shadow:4px 4px 4px 4px rgb(122, 168,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 30.2669, 35.4381, 48.4250 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 168, 180) }
```

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

```
.background{ background-color: rgb(122,  
168, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor