

Converting Colors

XYZ(30.2111, 34.9588, 42.4399)

Have a look what the booklet for
XYZ(30.2111, 34.9588, 42.4399)
contains.

XYZ(30.2198, 35.0051, 42.2097)	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(30.2198, 35.0051,
42.2097)**

Conversions

Conversions Part 1

Format	Color
Hex	84A6A8
RGB	132, 166, 168
RGB Percent	52%, 65%, 66%
CMY	0.4823, 0.3490, 0.3412
CMYK	0.21, 0.01, 0.00, 0.34
HSL	183°, 17%, 59%
HSV	183°, 21%, 66%
XYZ	30.2198, 35.0051, 42.2097
YIQ	156.0620, -20.9060, -6.5860

Conversions

Conversions Part 2

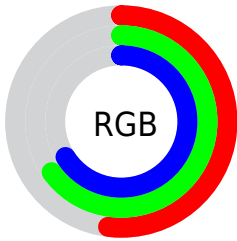
Format	Color
RYB	132, 149, 168
Decimal	8693416
CIELab	65.75, -11.12, -4.88
CIELCh	66, 12.143, 203.682
Yxy	35.0051, 0.2813, 0.3258
Android (android.graphics.Color)	4286883496 (0xFF84A6A8)
YUV	156.0620, 5.8854, -21.1024
Hunter-Lab	59.1651, -12.3664, -0.8832

Details

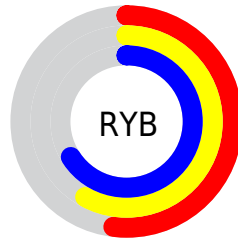
The XYZ color **30.2198, 35.0051, 42.2097** is a light color, and the websafe version is hex **669999**. A complement of this color would be **28.8387, 27.0410, 25.5299**, and the grayscale version is **31.6096, 33.2558, 36.2155**.

A 20% lighter version of the original color is **59.4254, 67.4797, 79.7049**, and **12.5630, 15.0449, 18.7648** is the 20% darker color. If you saturate the color by 10%, you get **27.6327, 33.4216, 42.0410**, and if you desaturate by 10%, it is **33.2332, 36.8120, 42.4002**.

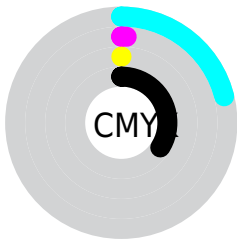
Distribution



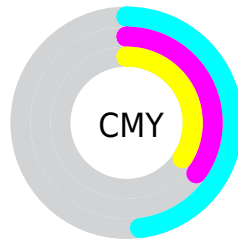
- Red (52%)
- Green (65%)
- Blue (66%)



- Red (52%)
- Yellow (58%)
- Blue (66%)



- Cyan (21%)
- Magenta (1%)
- Yellow (0%)
- Black (34%)



- Cyan (48%)
- Magenta (35%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.2198, 35.0051, 42.2097 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 30.2198, 35.0051, 42.2097 by changing the saturation by 10% instead.

■ 30.2198, 35.0051,
42.2097

■ 30.2198, 35.0051,
42.2097

294.8191,
324.5908, 371.1768

■ 20.1544, 23.6668,
28.9387

■ 59.3938, 67.4937,
79.7904

■ 12.6162, 15.0866,
18.7893

■ 79.2332, 89.4127,
104.9372

■ 7.2400, 8.8802,
11.3429

■ 103.0612,
115.6275, 134.8798

■ 3.6603, 4.6631,
6.1809

131.2433,
146.5224, 170.0365

■ 1.5118, 2.0510,
2.8848

164.1448,
182.4818, 210.8261

■ 0.3338, 0.6369,
1.0361

202.1310,

■ 0.0000, 0.0000,

223.8900, 257.6669

0.0000

245.5673,
271.1316, 310.9776

■ 30.2198, 35.0051,
42.2097

■ 30.2198, 35.0051,
42.2097

■ 27.6327, 33.4216,
42.0410

■ 33.2332, 36.8120,
42.4002

■ 25.4487, 32.0468,
41.8907

■ 36.6889, 38.8478,
42.6110

■ 23.6470, 30.8709,
41.7587

■ 40.6054, 41.1230,
42.8438

■ 22.2035, 29.8815,
41.6438

■ 44.9996, 43.6463,
43.0992

■ 21.0916, 29.0649,
41.5448

■ 49.8873, 46.4259,
43.3781

■ 20.2810, 28.4054,
41.4602

■ 55.2838, 49.4696,
43.6812

■ 19.7357, 27.8844,
41.3884

■ 61.2036, 52.7850,
44.0091

■ 19.4108, 27.5128,
41.3338

■ 63.3403, 54.1519,
44.1603

■ 63.5204, 54.5119,
44.2203

Harmonies

Analogous

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



29.9684, 35.0051, 37.0409



30.2198, 35.0051, 42.2097



31.2755, 35.0051, 46.6153

Triad

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



30.2198, 35.0051, 42.2097



36.1203, 35.0051, 44.2514



33.6512, 35.0051, 29.1383

Complementary

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



30.2198, 35.0051, 42.2097



28.8387, 27.0410, 25.5299

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.



35.3502, 35.0051, 30.7158



30.2198, 35.0051, 42.2097



36.8083, 35.0051, 39.2089

Square

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



30.2198, 35.0051, 42.2097



34.6720, 35.0051, 47.8660



36.5216, 35.0051, 34.2933



31.9088, 35.0051, 29.7866

Rectangle

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



30.2198, 35.0051, 42.2097



32.3143, 35.0051, 48.3715



36.5216, 35.0051, 34.2933



34.2471, 35.0051, 29.4210

Sweetspot

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



30.2208, 35.0065, 42.2105



63.5382, 68.7113, 77.1389



27.8081, 34.6271, 27.6999



13.7646, 14.9266, 16.8078



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



30.2208, 35.0065, 42.2105



52.3740, 62.0225, 76.4362



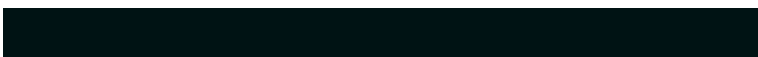
27.2055, 28.9760, 41.2054



7.7114, 8.4597, 9.6448



14.6705, 20.8013, 31.2173



0.3673, 0.5268, 0.7630

Inverse Universe

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



31.2834, 27.5813, 39.7529



54.6861, 46.0117, 71.0567



31.5097, 32.3830, 26.4202



7.8237, 7.6593, 9.3886



16.9056, 8.1710, 25.3782



0.4165, 0.2009, 0.6450

Previews

White Background



This preview shows how the XYZ color 30.2198, 35.0051, 42.2097 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 30.2198, 35.0051, 42.2097 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

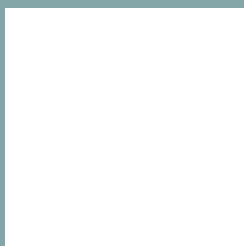
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.2198, 35.0051, 42.2097

Background



This preview shows how black text looks on a background with the XYZ color 30.2198, 35.0051, 42.2097.



This preview shows how white text looks on a background with the XYZ color 30.2198, 35.0051,

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

30.2198, 35.0051, 42.2097

Protanopia

33.6256, 34.7111, 40.0496

Deuteranopia

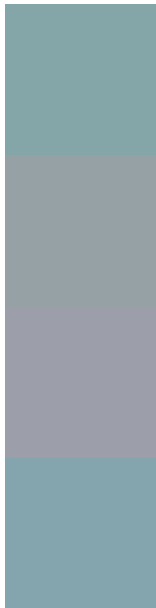
35.5546, 34.8910, 42.8909



Tritanopia

31.3225, 35.1930, 47.2615

Trichromacy



Original Color

30.2198, 35.0051, 42.2097

Protanomaly

32.1141, 34.6904, 40.6006

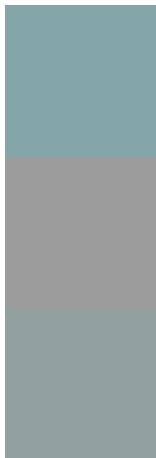
Deuteranomaly

33.2699, 34.7288, 42.4859

Tritanomaly

30.7680, 34.9528, 45.1693

Monochromacy



Original Color

30.2198, 35.0051, 42.2097

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

30.9486, 33.8827, 38.1666

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.2198, 35.0051, 42.2097 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(132, 166, 168)` looks like.

```
.text, #text, p{  
    color:rgb(132, 166, 168)  
}
```

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(132, 166, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 166, 168) }
```

Border

The CSS property to change the border of an element to XYZ 30.2198, 35.0051, 42.2097 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(132, 166, 168) }
```


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

```
.border{ border-color:rgb(132, 166, 168) }
```

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

Here you see how a box with a 4 pixel rgb(132, 166, 168) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 166, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 166, 168);  
box-shadow:4px 4px 4px 4px rgb(132, 166,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 30.2198, 35.0051, 42.2097 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 166, 168) }
```

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

```
.background{ background-color: rgb(132,  
166, 168) }
```

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