

Converting Colors

XYZ(30.2234, 35.7534, 40.3964)

Have a look what the booklet for
XYZ(30.2234, 35.7534, 40.3964)
contains.

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Color

**XYZ(30.2489, 35.8816,
40.4535)**

Conversions

Conversions Part 1

Format	Color
Hex	83A9A4
RGB	131, 169, 164
RGB Percent	51%, 66%, 64%
CMY	0.4863, 0.3372, 0.3569
CMYK	0.22, 0.00, 0.03, 0.34
HSL	172°, 18%, 59%
HSV	172°, 22%, 66%
XYZ	30.2489, 35.8816, 40.4535
YIQ	157.0680, -21.0430, -9.6110

Conversions

Conversions Part 2

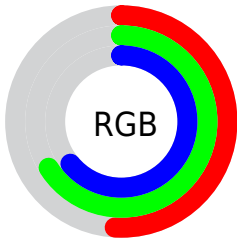
Format	Color
RYB	131, 151, 169
Decimal	8628644
CIELab	66.43, -13.93, -1.66
CIELCh	66, 14.026, 186.794
Yxy	35.8816, 0.2838, 0.3367
Android (android.graphics.Color)	4286818724 (0xFF83A9A4)
YUV	157.0680, 3.4175, -22.8616
Hunter-Lab	59.9013, -14.6884, 1.8902

Details

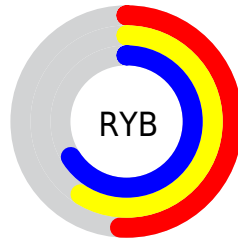
The XYZ color **30.2489, 35.8816, 40.4535** is a light color, and the websafe version is hex **669999**. A complement of this color would be **28.9237, 26.4462, 26.8743**, and the grayscale version is **32.0711, 33.7413, 36.7443**.

A 20% lighter version of the original color is **59.4494, 68.7401, 77.1527**, and **12.5942, 15.5979, 17.6761** is the 20% darker color. If you saturate the color by 10%, you get **27.6430, 34.5622, 39.2926**, and if you desaturate by 10%, it is **33.2874, 37.4255, 41.6545**.

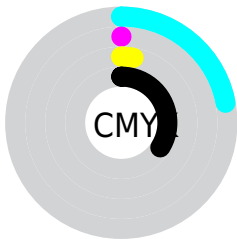
Distribution



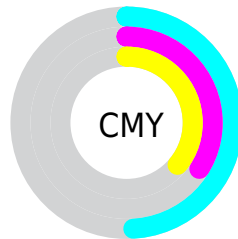
- Red (51%)
- Green (66%)
- Blue (64%)



- Red (51%)
- Yellow (59%)
- Blue (66%)



- Cyan (22%)
- Magenta (0%)
- Yellow (3%)
- Black (34%)



- Cyan (49%)
- Magenta (34%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.2489, 35.8816, 40.4535 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 30.2489, 35.8816, 40.4535 by changing the saturation by 10% instead.

■ 30.2489, 35.8816,
40.4535

■ 30.2489, 35.8816,
40.4535

294.9520,
328.4427, 363.6401

■ 20.1766, 24.3428,
27.5758

■ 59.4395, 68.8493,
77.0982

■ 12.6325, 15.5881,
17.7699

■ 79.2885, 91.0469,
101.7024

■ 7.2512, 9.2331,
10.6172

■ 103.1271,
117.5663, 131.0524

■ 3.6674, 4.8936,
5.6991

131.3207,
148.7918, 165.5669

■ 1.5158, 2.1849,
2.5972

164.2347,
185.1077, 205.6644

■ 0.3365, 0.7118,
0.8910

202.2343,

■ 0.0000, 0.0000,

226.8986, 251.7634

0.0000

245.6849,
274.5488, 304.2824

■ 30.2489, 35.8816,
40.4535

■ 30.2489, 35.8816,
40.4535

■ 27.6430, 34.5622,
39.2926

■ 33.2874, 37.4255,
41.6545

■ 25.4459, 33.4521,
38.1683

■ 36.7746, 39.1994,
42.8943

■ 23.6361, 32.5414,
37.0803

■ 40.7297, 41.2141,
44.1744

■ 22.1892, 31.8173,
36.0273

■ 45.1698, 43.4784,
45.4959

■ 21.0777, 31.2656,
35.0081

■ 50.1112, 46.0007,
46.8595

■ 20.2702, 30.8704,
34.0209

■ 55.5693, 48.7890,
48.2661

■ 19.7295, 30.6123,
33.0640

■ 61.5590, 51.8509,
49.7165

■ 19.4360, 30.4762,
32.3619

■ 63.8513, 53.0063,
51.0128

■ 64.0828, 53.0989,
52.2318

Harmonies

Analogous

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



30.5252, 35.8816, 34.6860



30.2489, 35.8816, 40.4535



30.9712, 35.8816, 46.4148

Triad

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



30.2489, 35.8816, 40.4535



36.5812, 35.8816, 49.0834



35.7208, 35.8816, 29.3726

Complementary

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



30.2489, 35.8816, 40.4535



28.9237, 26.4462, 26.8743

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.



37.4421, 35.8816, 32.5422



30.2489, 35.8816, 40.4535



37.9529, 35.8816, 43.8065

Square

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



30.2489, 35.8816, 40.4535



34.5845, 35.8816, 51.7176



38.2743, 35.8816, 37.7164



33.6288, 35.8816, 28.6716

Rectangle

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



30.2489, 35.8816, 40.4535



31.9399, 35.8816, 49.5688



38.2743, 35.8816, 37.7164



36.3645, 35.8816, 30.1676

Sweetspot

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



30.2499, 35.8831, 40.4543



62.8585, 68.6742, 75.7787



28.4500, 35.2560, 26.7790



13.6246, 14.9294, 16.4895



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.



30.2499, 35.8831, 40.4543



51.7463, 63.0310, 71.3999



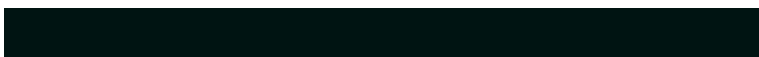
28.2550, 31.1560, 42.0624



7.7044, 8.5148, 9.4296



14.4990, 22.7183, 24.1921



0.3641, 0.5573, 0.6485

Inverse Universe

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



28.9237, 26.4462, 26.8743



48.9470, 43.1019, 42.7285



30.5754, 30.3053, 25.7114



7.5698, 7.5578, 8.0519



12.3162, 6.3352, 1.2110



0.3114, 0.1588, 0.0914

Previews

White Background



This preview shows how the XYZ color 30.2489, 35.8816, 40.4535 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 30.2489, 35.8816, 40.4535 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

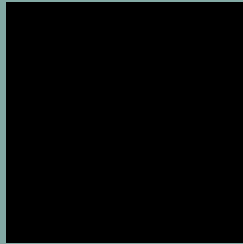
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 30.2489, 35.8816, 40.4535

Background



This preview shows how black text looks on a background with the XYZ color 30.2489, 35.8816, 40.4535.

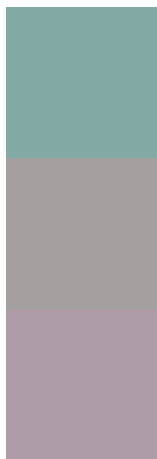


This preview shows how white text looks on a background with the XYZ color 30.2489, 35.8816,

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

30.2489, 35.8816, 40.4535

Protanopia

34.1387, 35.5373, 37.8610

Deuteranopia

36.3191, 35.5656, 41.5098



Tritanopia

31.8885, 36.0011, 48.4482

Trichromacy



Original Color

30.2489, 35.8816, 40.4535

Protanomaly

32.4791, 35.4430, 38.8476

Deuteranomaly

33.7284, 35.5120, 41.1532

Tritanomaly

31.3155, 36.0478, 45.3518

Monochromacy



Original Color

30.2489, 35.8816, 40.4535

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

31.3028, 34.3237, 38.2330

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.2489, 35.8816, 40.4535 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(131, 169, 164)` looks like.

```
.text, #text, p{  
    color:rgb(131, 169, 164)  
}
```

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(131, 169, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 169, 164) }
```

Border

The CSS property to change the border of an element to XYZ 30.2489, 35.8816, 40.4535 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(131, 169, 164) }
```


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

```
.border{ border-color:rgb(131, 169, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 169, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(131, 169, 164); -webkit-box-shadow:4px 4px 4px 4px rgb(131, 169, 164); box-shadow:4px 4px 4px 4px rgb(131, 169, 164) }
```

Background

The CSS property to change the background color of an element to XYZ 30.2489, 35.8816, 40.4535 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 169, 164) }
```

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

```
.background{ background-color: rgb(131,  
169, 164) }
```

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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