

Converting Colors

XYZ(29.2389, 33.3670, 40.4973)

Have a look what the booklet for
XYZ(29.2389, 33.3670, 40.4973)
contains.

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Color

**XYZ(29.3847, 33.5438,
40.5232)**

Conversions

Conversions Part 1

Format	Color
Hex	85A2A5
RGB	133, 162, 165
RGB Percent	52%, 64%, 65%
CMY	0.4784, 0.3647, 0.3529
CMYK	0.19, 0.02, 0.00, 0.35
HSL	186°, 15%, 58%
HSV	186°, 19%, 65%
XYZ	29.3847, 33.5438, 40.5232
YIQ	153.6710, -18.2470, -5.2150

Conversions

Conversions Part 2

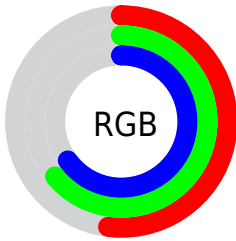
Format	Color
R_{YB}	133, 148, 165
Decimal	8757925
CIE _{Lab}	64.60, -9.32, -4.90
CIE _{LCh}	65, 10.529, 207.724
Yxy	33.5438, 0.2840, 0.3242
Android (android.graphics.Color)	4286948005 (0xFF85A2A5)
YUV	153.6710, 5.5852, -18.1285
Hunter-Lab	57.9170, -10.7912, -0.9419

Details

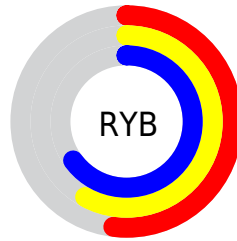
The XYZ color **29.3847, 33.5438, 40.5232** is a light color, and the websafe version is hex **669999**. A complement of this color would be **28.5551, 27.3011, 25.9555**, and the grayscale version is **30.5538, 32.1450, 35.0059**.

A 20% lighter version of the original color is **58.2246, 65.3578, 77.2567**, and **12.1238, 14.1831, 17.7214** is the 20% darker color. If you saturate the color by 10%, you get **26.7112, 31.7647, 40.3212**, and if you desaturate by 10%, it is **32.4727, 35.5433, 40.7469**.

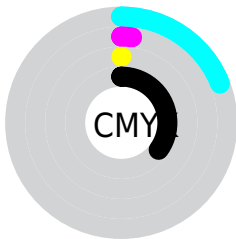
Distribution



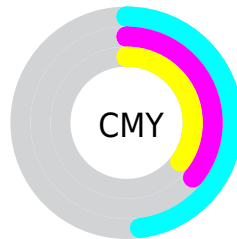
- Red (52%)
- Green (64%)
- Blue (65%)



- Red (52%)
- Yellow (58%)
- Blue (65%)



- Cyan (19%)
- Magenta (2%)
- Yellow (0%)
- Black (35%)



- Cyan (48%)
- Magenta (36%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.3847, 33.5438, 40.5232 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 29.3847, 33.5438, 40.5232 by changing the saturation by 10% instead.

■ 29.3847, 33.5438,
40.5232

■ 29.3847, 33.5438,
40.5232

290.9873,
318.0931, 363.9413

■ 19.5178, 22.5434,
27.6298

■ 58.0811, 65.2236,
77.2054

■ 12.1512, 14.2567,
17.8102

■ 77.6412, 86.6718,
101.8312

■ 6.9197, 8.2994,
10.6458

■ 101.1632,
112.3713, 131.2050

■ 3.4578, 4.2871,
5.7180

129.0123,
142.7065, 165.7452

■ 1.4002, 1.8354,
2.6084

161.5539,
178.0620, 205.8704

■ 0.2564, 0.5091,
0.8968

199.1534,

■ 0.0000, 0.0000,

218.8219, 251.9991

0.0000

242.1761,
265.3708, 304.5499

■ 29.3847, 33.5438,
40.5232

■ 29.3847, 33.5438,
40.5232

■ 26.7112, 31.7647,
40.3212

■ 32.4727, 35.5433,
40.7469

■ 24.4303, 30.1920,
40.1379

■ 35.9902, 37.7684,
40.9910

■ 22.5223, 28.8165,
39.9730

■ 39.9548, 40.2289,
41.2570

■ 20.9648, 27.6266,
39.8254

■ 44.3825, 42.9332,
41.5456

■ 19.7328, 26.6095,
39.6940

■ 49.2883, 45.8890,
41.8576

■ 18.7982, 25.7505,
39.5775

■ 54.6866, 49.1038,
42.1936

■ 18.1279, 25.0326,
39.4742

■ 60.5912, 52.5847,
42.5542

■ 17.6527, 24.4202,
39.3810

■ 63.2392, 54.3918,
42.7635

■ 17.6253, 24.3839,
39.3755

■ 63.5404, 54.9942,
42.8639

Harmonies

Analogous

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



29.0728, 33.5438, 36.1948



29.3847, 33.5438, 40.5232



30.3594, 33.5438, 44.0015

Triad

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



29.3847, 33.5438, 40.5232



34.3965, 33.5438, 41.1383



31.9976, 33.5438, 28.8406

Complementary

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



29.3847, 33.5438, 40.5232



28.5551, 27.3011, 25.9555

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.



33.4554, 33.5438, 29.9447



29.3847, 33.5438, 40.5232



34.8673, 33.5438, 36.8542

Square

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



29.3847, 33.5438, 40.5232



33.2500, 33.5438, 44.3759



34.5177, 33.5438, 32.7960



30.5528, 33.5438, 29.6568

Rectangle

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



29.3847, 33.5438, 40.5232



31.2700, 33.5438, 45.2506



34.5177, 33.5438, 32.7960



32.5027, 33.5438, 28.9975

Sweetspot

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



29.3857, 33.5452, 40.5240



60.1375, 64.9175, 73.1131



27.5488, 33.6655, 28.2152



13.0659, 14.1406, 15.9783



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



29.3857, 33.5452, 40.5240



50.6107, 58.7459, 72.4239



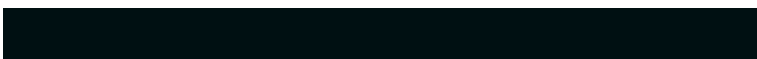
26.7953, 28.3645, 39.6605



7.2191, 7.8973, 9.0469



13.3530, 18.4854, 29.7940



0.2959, 0.4191, 0.6311

Inverse Universe

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



30.4269, 27.3837, 37.8659



52.8144, 45.8452, 66.7672



30.9255, 32.0418, 26.7456



7.3356, 7.1907, 8.7536



15.8854, 7.7102, 22.3851



0.3415, 0.1651, 0.5111

Previews

White Background



This preview shows how the XYZ color 29.3847, 33.5438, 40.5232 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 29.3847, 33.5438, 40.5232 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

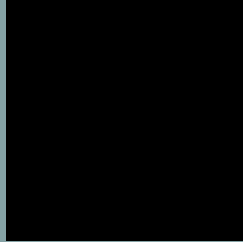
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 29.3847, 33.5438, 40.5232

Background



This preview shows how black text looks on a background with the XYZ color 29.3847, 33.5438, 40.5232.



This preview shows how white text looks on a background with the XYZ color 29.3847, 33.5438,

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

29.3847, 33.5438, 40.5232

Protanopia

32.2549, 33.2850, 38.4428

Deuteranopia

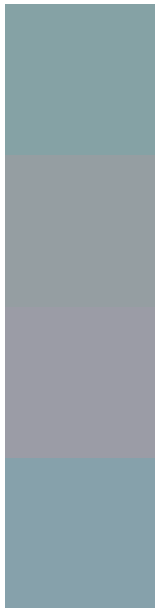
34.1396, 33.4620, 41.2187



Tritanopia

30.3765, 33.6966, 44.9475

Trichromacy



Original Color

29.3847, 33.5438, 40.5232

Protanomaly

31.1429, 33.4519, 38.9979

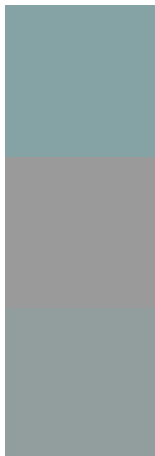
Deuteranomaly

32.2890, 33.4987, 40.8405

Tritanomaly

29.9271, 33.4983, 43.4166

Monochromacy



Original Color

29.3847, 33.5438, 40.5232

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

30.0826, 32.6936, 37.0727

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.3847, 33.5438, 40.5232 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(133, 162, 165)` looks like.

```
.text, #text, p{  
    color:rgb(133, 162, 165)  
}
```

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(133, 162, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 162, 165) }
```

Border

The CSS property to change the border of an element to XYZ 29.3847, 33.5438, 40.5232 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(133, 162, 165) }
```


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

```
.border{ border-color:rgb(133, 162, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 162, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 162, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 162, 165);  
box-shadow:4px 4px 4px 4px rgb(133, 162,  
165) }
```

Background

The CSS property to change the background color of an element to XYZ 29.3847, 33.5438, 40.5232 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 162, 165) }
```

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

```
.background{ background-color: rgb(133,  
162, 165) }
```

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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