

Converting Colors

XYZ(29.5884, 33.0693, 42.0164)

Have a look what the booklet for
XYZ(29.5884, 33.0693, 42.0164)
contains.

XYZ(29.6304, 33.1197, 41.8768)	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(29.6304, 33.1197,
41.8768)**

Conversions

Conversions Part 1

Format	Color
Hex	87A0A8
RGB	135, 160, 168
RGB Percent	53%, 63%, 66%
CMY	0.4706, 0.3725, 0.3412
CMYK	0.20, 0.05, 0.00, 0.34
HSL	195°, 16%, 59%
HSV	195°, 20%, 66%
XYZ	29.6304, 33.1197, 41.8768
YIQ	153.4370, -17.4680, -2.8120

Conversions

Conversions Part 2

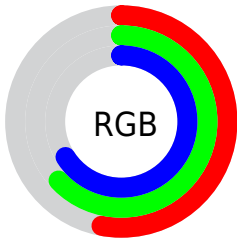
Format	Color
RYB	135, 149, 168
Decimal	8888488
CIELab	64.26, -6.91, -7.07
CIELCh	64, 9.886, 225.658
Yxy	33.1197, 0.2832, 0.3166
Android (android.graphics.Color)	4287078568 (0xFF87A0A8)
YUV	153.4370, 7.1796, -16.1692
Hunter-Lab	57.5497, -8.8084, -2.8583

Details

The XYZ color **29.6304, 33.1197, 41.8768** is a light color, and the websafe version is hex **999999**. A complement of this color would be **30.3444, 29.7191, 27.0594**, and the grayscale version is **30.4447, 32.0301, 34.8808**.

A 20% lighter version of the original color is **58.6060, 64.7474, 79.2207**, and **12.3673, 14.1295, 18.5984** is the 20% darker color. If you saturate the color by 10%, you get **26.4437, 30.4469, 41.5294**, and if you desaturate by 10%, it is **33.2688, 36.0613, 42.2534**.

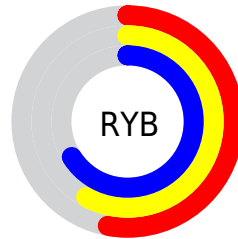
Distribution



Red (53%)

Green (63%)

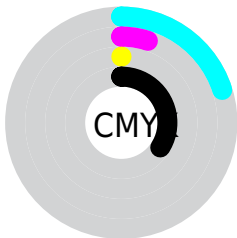
Blue (66%)



Red (53%)

Yellow (58%)

Blue (66%)

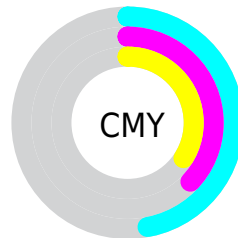


Cyan (20%)

Magenta (5%)

Yellow (0%)

Black (34%)



Cyan (47%)

Magenta (37%)

Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.6304, 33.1197, 41.8768 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 29.6304, 33.1197, 41.8768 by changing the saturation by 10% instead.

■ 29.6304, 33.1197,
41.8768

■ 29.6304, 33.1197,
41.8768

292.1187,
316.1888, 369.7566

■ 19.7049, 22.2182,
28.6800

■ 58.4678, 64.5624,
79.2812

■ 12.2877, 14.0173,
18.5954

■ 78.1105, 85.8723,
104.3259

■ 7.0135, 8.1327,
11.2044

■ 101.7229,
111.4204, 134.1569

■ 3.5170, 4.1800,
6.0886

129.6704,
141.5912, 169.1929

■ 1.4327, 1.7747,
2.8294

162.3184,
176.7691, 209.8523

■ 0.2793, 0.4714,
1.0082

200.0322,

■ 0.0000, 0.0000,

217.3384, 256.5537

0.0000

243.1772,
263.6834, 309.7156

■ 29.6304, 33.1197,
41.8768

■ 29.6304, 33.1197,
41.8768

■ 26.4437, 30.4469,
41.5294

■ 33.2688, 36.0613,
42.2534

■ 23.6855, 28.0282,
41.2079

■ 37.3747, 39.2777,
42.6578

■ 21.3350, 25.8534,
40.9120

■ 41.9669, 42.7798,
43.0917

■ 19.3685, 23.9099,
40.6405

■ 47.0622, 46.5765,
43.5560

■ 17.7596, 22.1837,
40.3921

■ 52.6765, 50.6764,
44.0515

■ 16.4785, 20.6591,
40.1654

■ 58.8252, 55.0876,
44.5788

■ 15.4903, 19.3179,
39.9586

■ 65.5228, 59.8179,
45.1389

■ 14.7206, 18.1212,
39.7682

■ 67.2845, 62.0402,
45.4750

■ 14.6942, 18.0796,
39.7615

■ 68.1944, 63.8601,
45.7783

Harmonies

Analogous

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



28.9515, 33.1197, 38.1883



29.6304, 33.1197, 41.8768



30.8155, 33.1197, 44.0804

Triad

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



29.6304, 33.1197, 41.8768



34.1671, 33.1197, 38.0104



30.7565, 33.1197, 29.1196

Complementary

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



29.6304, 33.1197, 41.8768



30.3444, 29.7191, 27.0594

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.



32.1525, 33.1197, 29.0797



29.6304, 33.1197, 41.8768



34.1501, 33.1197, 34.0156

Square

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



29.6304, 33.1197, 41.8768



33.4492, 33.1197, 41.7382



33.4035, 33.1197, 30.8115



29.5883, 33.1197, 30.9248

Rectangle

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



29.6304, 33.1197, 41.8768



31.7461, 33.1197, 44.3131



33.4035, 33.1197, 30.8115



31.2139, 33.1197, 28.9040

Sweetspot

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



29.6314, 33.1211, 41.8775



62.9031, 67.4411, 76.9272



28.9302, 35.1308, 31.1245



13.6125, 14.6223, 16.7571



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.



29.6314, 33.1211, 41.8775



50.8946, 57.7148, 75.6827



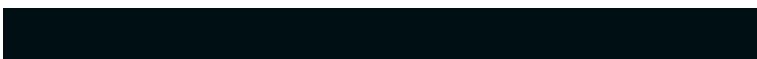
27.0032, 27.8648, 41.0015



7.5912, 8.2194, 9.6047



11.1376, 13.7355, 30.0397



0.3072, 0.4066, 0.7429

Inverse Universe

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



31.1584, 28.1916, 37.0586



54.2686, 47.1053, 64.9717



32.9548, 34.9398, 27.9296



7.7630, 7.6351, 9.0693



15.1224, 7.4577, 15.9878



0.3862, 0.1888, 0.4852

Previews

White Background



This preview shows how the XYZ color 29.6304, 33.1197, 41.8768 looks on a white background.

Color Contrast Check

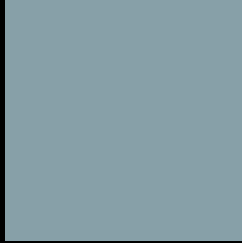
Large Text (above 18pt) WCAG AA × Fail

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 29.6304, 33.1197, 41.8768 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

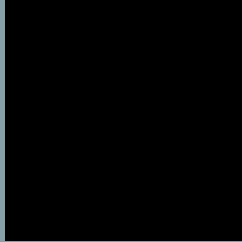
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

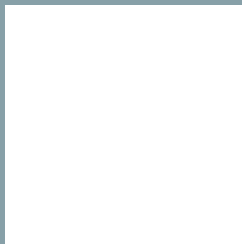
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.6304, 33.1197, 41.8768

Background



This preview shows how black text looks on a background with the XYZ color 29.6304, 33.1197, 41.8768.

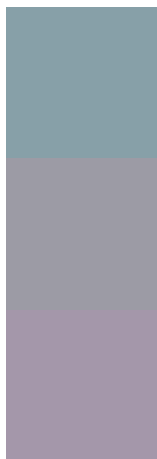


This preview shows how white text looks on a background with the XYZ color 29.6304, 33.1197,

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

29.6304, 33.1197, 41.8768

Protanopia

32.2232, 33.2272, 40.3125

Deuteranopia

33.6321, 32.9280, 42.6133



Tritanopia

29.9979, 33.0091, 43.8201

Trichromacy



Original Color

29.6304, 33.1197, 41.8768

Protanomaly

31.1526, 33.1630, 40.8356

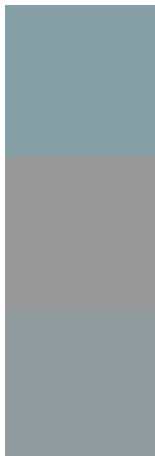
Deuteranomaly

31.8539, 32.7481, 42.1782

Tritanomaly

29.9022, 32.9708, 43.3161

Monochromacy



Original Color

29.6304, 33.1197, 41.8768

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

29.9141, 32.3565, 37.0165

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.6304, 33.1197, 41.8768 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(135, 160, 168)` looks like.

```
.text, #text, p{  
    color:rgb(135, 160, 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(135, 160, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 160, 168) }
```

Border

The CSS property to change the border of an element to XYZ 29.6304, 33.1197, 41.8768 is called "border". The border property can be set on classes, ids or directly on the HTML element.

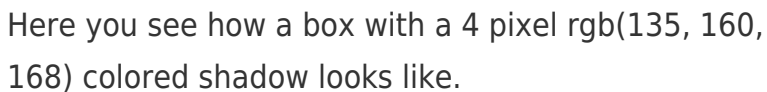
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(135, 160, 168) }
```


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

```
.border{ border-color:rgb(135, 160, 168) }
```

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



Here you see how a box with a 4 pixel `rgb(135, 160, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 160, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 160, 168);  
box-shadow:4px 4px 4px 4px rgb(135, 160,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 29.6304, 33.1197, 41.8768 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 160, 168) }
```

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

```
.background{ background-color: rgb(135,  
160, 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