

Converting Colors

XYZ(29.5804, 33.2283, 33.2331)

Have a look what the booklet for
XYZ(29.5804, 33.2283, 33.2331)
contains.

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Color

**XYZ(29.6727, 33.3313,
33.3034)**

Conversions

Conversions Part 1

Format	Color
Hex	91A095
RGB	145, 160, 149
RGB Percent	57%, 63%, 58%
CMY	0.4314, 0.3725, 0.4157
CMYK	0.09, 0.00, 0.07, 0.37
HSL	136°, 7%, 60%
HSV	136°, 9%, 63%
XYZ	29.6727, 33.3313, 33.3034
YIQ	154.2610, -5.4090, -6.6010

Conversions

Conversions Part 2

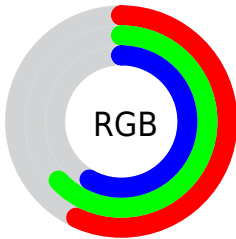
Format	Color
RYB	145, 157, 160
Decimal	9543829
CIELab	64.43, -7.48, 3.92
CIElCh	64, 8.446, 152.378
Yxy	33.3313, 0.3081, 0.3461
Android (android.graphics.Color)	4287733909 (0xFF91A095)
YUV	154.2610, -2.5937, -8.1219
Hunter-Lab	57.7333, -9.2910, 6.2119

Details

The XYZ color **29.6727, 33.3313, 33.3034** is a light color, and the websafe version is hex **999999**. A complement of this color would be **30.6246, 30.1256, 35.6549**, and the grayscale version is **30.8433, 32.4496, 35.3376**.

A 20% lighter version of the original color is **58.6331, 65.0548, 65.9664**, and **12.3926, 14.2520, 13.6530** is the 20% darker color. If you saturate the color by 10%, you get **26.1594, 31.6239, 28.4926**, and if you desaturate by 10%, it is **33.6794, 35.2840, 38.6315**.

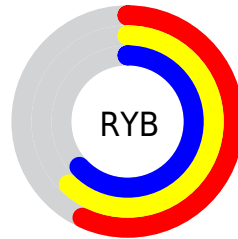
Distribution



Red (57%)

Green (63%)

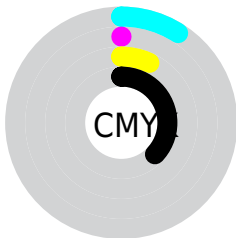
Blue (58%)



Red (57%)

Yellow (62%)

Blue (63%)

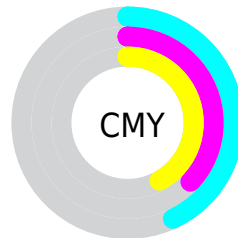


Cyan (9%)

Magenta (0%)

Yellow (7%)

Black (37%)



Cyan (43%)

Magenta (37%)

Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.6727, 33.3313, 33.3034 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 29.6727, 33.3313, 33.3034 by changing the saturation by 10% instead.

■ 29.6727, 33.3313,
33.3034

■ 29.6727, 33.3313,
33.3034

292.3131,
317.1400, 331.6885

■ 19.7371, 22.3804,
22.0860

■ 58.5344, 64.8924,
65.9704

■ 12.3113, 14.1367,
13.7211

■ 78.1912, 86.2714,
88.2570

■ 7.0297, 8.2158,
7.7904

101.8191,
111.8952, 115.0704

■ 3.5272, 4.2333,
3.8753

129.7835,
142.1482, 146.8292

■ 1.4383, 1.8049,
1.5572

162.4498,
177.4147, 183.9518

■ 0.2833, 0.4902,
0.2600

200.1832,

■ 0.0000, 0.0000,

218.0793, 226.8569

0.0000

243.3492,
264.5262, 275.9630

■ 29.6727, 33.3313,
33.3034

■ 29.6727, 33.3313,
33.3034

■ 26.1594, 31.6239,
28.4926

■ 33.6794, 35.2840,
38.6315

■ 23.1173, 30.1480,
24.1815

■ 38.1950, 37.4869,
44.4894

■ 20.5270, 28.8946,
20.3547

■ 43.2375, 39.9499,
50.8921

■ 18.3662, 27.8528,
16.9950

■ 48.8236, 42.6813,
57.8531

■ 16.6109, 27.0105,
14.0845

■ 54.9688, 45.6890,
65.3856

■ 15.2346, 26.3545,
11.6040

■ 61.6882, 48.9803,
73.5024

■ 14.2075, 25.8698,
9.5328

■ 68.2553, 52.1805,
82.1810

■ 13.4952, 25.5391,
7.8485

■ 69.9705, 52.8665,
91.2127

■ 13.0272, 25.3266,
6.5252

■ 71.7989, 53.5979,
100.8410

Harmonies

Analogous

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



30.4565, 33.3313, 30.9746



29.6727, 33.3313, 33.3034



29.4227, 33.3313, 36.5679

Triad

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



29.6727, 33.3313, 33.3034



31.7766, 33.3313, 43.3295



33.6765, 33.3313, 32.8554

Complementary

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



29.6727, 33.3313, 33.3034



30.6246, 30.1256, 35.6549

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.



34.0508, 33.3313, 36.0177



29.6727, 33.3313, 33.3034



32.9366, 33.3313, 42.1859

Square

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



29.6727, 33.3313, 33.3034



30.6189, 33.3313, 42.4908



33.7767, 33.3313, 39.4545



32.7662, 33.3313, 30.7277

Rectangle

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



29.6727, 33.3313, 33.3034



29.5871, 33.3313, 38.8759



33.7767, 33.3313, 39.4545



33.8702, 33.3313, 33.8255

Sweetspot

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



29.6736, 33.3327, 33.3041



58.3656, 62.7059, 66.4686



31.4417, 34.2805, 31.7482



12.6749, 13.6912, 14.4110



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



29.6736, 33.3327, 33.3041



52.6389, 59.9176, 58.7946



30.2709, 33.5716, 36.4495



6.6198, 7.4287, 7.4323



10.1435, 19.7253, 5.1126



0.1974, 0.3591, 0.1761

Inverse Universe

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



30.6246, 30.1256, 35.6549



54.6782, 53.0397, 63.8355



30.0286, 29.8871, 32.5161



6.8286, 6.7244, 7.9485



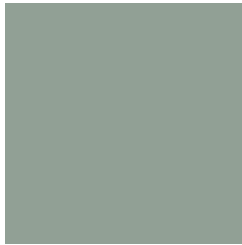
13.8289, 6.8361, 13.8819



0.2636, 0.1288, 0.3343

Previews

White Background



This preview shows how the XYZ color 29.6727, 33.3313, 33.3034 looks on a white background.

Color Contrast Check

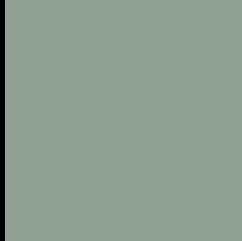
Large Text (above 18pt) WCAG AA × Fail

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 29.6727, 33.3313, 33.3034 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

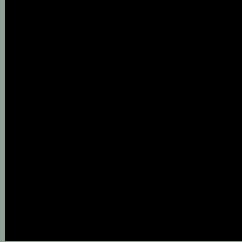
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

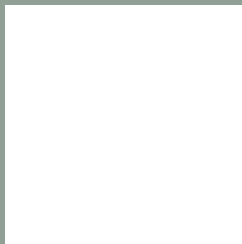
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.6727, 33.3313, 33.3034

Background



This preview shows how black text looks on a background with the XYZ color 29.6727, 33.3313, 33.3034.

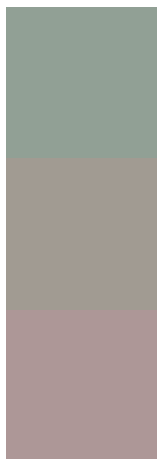


This preview shows how white text looks on a background with the XYZ color 29.6727, 33.3313,

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

29.6727, 33.3313, 33.3034

Protanopia

31.6076, 33.0951, 31.9162

Deuteranopia

33.8861, 33.2518, 33.9104



Tritanopia

31.4311, 33.2744, 42.3021

Trichromacy



Original Color

29.6727, 33.3313, 33.3034

Protanomaly

30.8410, 33.1891, 32.3844

Deuteranomaly

32.1649, 33.0997, 33.5478

Tritanomaly

30.7811, 33.2654, 38.9809

Monochromacy



Original Color

29.6727, 33.3313, 33.3034

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

30.3185, 32.6232, 34.4047

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.6727, 33.3313, 33.3034 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(145, 160, 149)` looks like.

```
.text, #text, p{  
    color:rgb(145, 160, 149)  
}
```

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(145, 160, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 160, 149) }
```

Border

The CSS property to change the border of an element to XYZ 29.6727, 33.3313, 33.3034 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(145, 160, 149) }
```


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

```
.border{ border-color:rgb(145, 160, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 160, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 160, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 160, 149);  
box-shadow:4px 4px 4px 4px rgb(145, 160,  
149) }
```

Background

The CSS property to change the background color of an element to XYZ 29.6727, 33.3313, 33.3034 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 160, 149) }
```

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

```
.background{ background-color: rgb(145,  
160, 149) }
```

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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