

Converting Colors

XYZ(27.6365, 35.9232, 29.4086)

Have a look what the booklet for
XYZ(27.6365, 35.9232, 29.4086)
contains.

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Color

**XYZ(27.6994, 35.9331,
29.5206)**

Conversions

Conversions Part 1

Format	Color
Hex	7BAD8A
RGB	123, 173, 138
RGB Percent	48%, 68%, 54%
CMY	0.5176, 0.3216, 0.4588
CMYK	0.29, 0.00, 0.20, 0.32
HSL	138°, 23%, 58%
HSV	138°, 29%, 68%
XYZ	27.6994, 35.9331, 29.5206
YIQ	154.0600, -18.5650, -21.4850

Conversions

Conversions Part 2

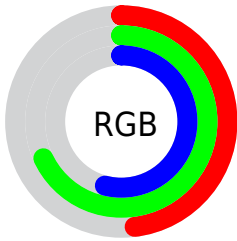
Format	Color
RYB	123, 161, 173
Decimal	8105354
CIELab	66.47, -23.97, 12.74
CIElCh	66, 27.147, 152.006
Yxy	35.9331, 0.2974, 0.3857
Android (android.graphics.Color)	4286295434 (0xFF7BAD8A)
YUV	154.0600, -7.9176, -27.2396
Hunter-Lab	59.9442, -22.4200, 12.7625

Details

The XYZ color **27.6994, 35.9331, 29.5206** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **30.4893, 25.5196, 35.6681**, and the grayscale version is **30.7818, 32.3848, 35.2671**.

A 20% lighter version of the original color is **55.5547, 69.1473, 59.7089**, and **11.1504, 15.5152, 11.6396** is the 20% darker color. If you saturate the color by 10%, you get **24.6115, 34.4380, 25.0518**, and if you desaturate by 10%, it is **31.3244, 37.6958, 34.5265**.

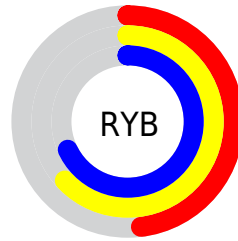
Distribution



Red (48%)

Green (68%)

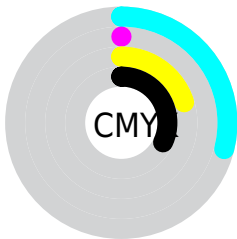
Blue (54%)



Red (48%)

Yellow (63%)

Blue (68%)

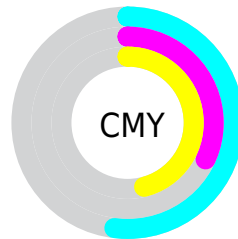


Cyan (29%)

Magenta (0%)

Yellow (20%)

Black (32%)



Cyan (52%)


Magenta (32%)


Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.6994, 35.9331, 29.5206 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 27.6994, 35.9331, 29.5206 by changing the saturation by 10% instead.


 27.6994, 35.9331,
29.5206


 27.6994, 35.9331,
29.5206


283.1339,
328.6680, 313.8009


 18.2385, 24.3825,
19.2260


 55.4162, 68.9288,
59.9552

 11.2221, 15.6176,
11.6553


 74.4027, 91.1427,
80.9324

 6.2848, 9.2540,
6.3897


 97.2952, 117.6799,
106.3074

 3.0613, 4.9072,
3.0109

124.4590,
148.9247, 136.4990

 1.1863, 2.1929,
1.1002

156.2594,
185.2615, 171.9256

 0.0955, 0.7161,
0.0000

193.0618,

 0.0000, 0.0000,

227.0747, 213.0057

0.0000

235.2315,
274.7488, 260.1580

■ 27.6994, 35.9331,
29.5206

■ 27.6994, 35.9331,
29.5206

■ 24.6115, 34.4380,
25.0518

■ 31.3244, 37.6958,
34.5265

■ 22.0316, 33.1928,
21.0998

■ 35.5080, 39.7339,
40.0840

■ 19.9321, 32.1847,
17.6465

■ 40.2740, 42.0602,
46.2104

■ 18.2816, 31.3980,
14.6718

■ 45.6440, 44.6855,
52.9212

■ 17.0449, 30.8148,
12.1541

■ 51.6384, 47.6202,
60.2314

■ 16.1807, 30.4146,
10.0704

■ 58.2766, 50.8738,
68.1555

■ 15.6159, 30.1599,
8.3942

■ 65.5774, 54.4558,
76.7074

■ 15.5618, 30.1356,
8.2335

■ 71.1630, 57.1400,
85.7885

■ 72.9720, 57.8637,
95.3146

Harmonies

Analogous

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



30.1717, 35.9331, 23.0321



27.6994, 35.9331, 29.5206



26.9148, 35.9331, 39.9146

Triad

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



27.6994, 35.9331, 29.5206



34.4279, 35.9331, 66.0667



41.2279, 35.9331, 28.4090

Complementary

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



27.6994, 35.9331, 29.5206



30.4893, 25.5196, 35.6681

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.



42.5856, 35.9331, 38.3460



27.6994, 35.9331, 29.5206



38.4707, 35.9331, 61.3716

Square

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



27.6994, 35.9331, 29.5206



30.6105, 35.9331, 62.4365



41.5391, 35.9331, 50.6149



37.9595, 35.9331, 22.4856

Rectangle

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



27.6994, 35.9331, 29.5206



27.4000, 35.9331, 48.1371



41.5391, 35.9331, 50.6149



41.9341, 35.9331, 31.3144

Sweetspot

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



27.7004, 35.9346, 29.5214



63.3867, 71.0590, 71.5194



32.7851, 38.6728, 24.4759



13.5325, 15.3243, 15.2246



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



27.7004, 35.9346, 29.5214



45.7935, 62.5052, 47.3949



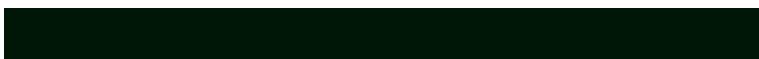
29.6495, 36.7143, 39.7855



7.9997, 8.9774, 9.0234



11.4545, 22.1471, 6.1672



0.3431, 0.6259, 0.3004

Inverse Universe

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



30.4893, 25.5196, 35.6681



51.6456, 40.6354, 60.2804



28.6091, 24.7675, 25.7667



8.2332, 8.1065, 9.5386



15.2268, 7.5532, 14.1054



0.4462, 0.2192, 0.5116

Previews

White Background



This preview shows how the XYZ color 27.6994, 35.9331, 29.5206 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 27.6994, 35.9331, 29.5206 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

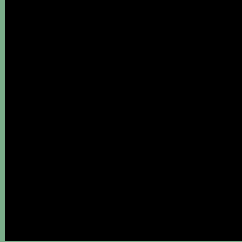
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 27.6994, 35.9331, 29.5206

Background



This preview shows how black text looks on a background with the XYZ color 27.6994, 35.9331, 29.5206.



This preview shows how white text looks on a background with the XYZ color 27.6994, 35.9331,

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

27.6994, 35.9331, 29.5206

Protanopia

33.4873, 35.7017, 26.9559

Deuteranopia

36.3710, 35.5860, 30.5430



Tritanopia

31.5193, 35.7989, 48.9647

Trichromacy



Original Color

27.6994, 35.9331, 29.5206

Protanomaly

30.8951, 35.4038, 27.7595

Deuteranomaly

32.6283, 35.4451, 30.3212

Tritanomaly

29.8816, 35.6817, 40.9096

Monochromacy



Original Color

27.6994, 35.9331, 29.5206

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

29.4179, 33.4675, 32.9264

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.6994, 35.9331, 29.5206 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(123, 173, 138)` looks like.

```
.text, #text, p{  
    color:rgb(123, 173, 138)  
}
```

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(123, 173, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 173, 138) }
```

Border

The CSS property to change the border of an element to XYZ 27.6994, 35.9331, 29.5206 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(123, 173, 138) }
```


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

```
.border{ border-color:rgb(123, 173, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 173, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 173, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 173, 138);  
box-shadow:4px 4px 4px 4px rgb(123, 173,  
138) }
```

Background

The CSS property to change the background color of an element to XYZ 27.6994, 35.9331, 29.5206 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 173, 138) }
```

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

```
.background{ background-color: rgb(123,  
173, 138) }
```

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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