

Converting Colors

XYZ(29.2027, 36.0437, 34.3310)

Have a look what the booklet for
XYZ(29.2027, 36.0437, 34.3310)
contains.

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Color

**XYZ(29.1212, 35.9950,
34.2670)**

Conversions

Conversions Part 1

Format	Color
Hex	81AB96
RGB	129, 171, 150
RGB Percent	51%, 67%, 59%
CMY	0.4941, 0.3294, 0.4118
CMYK	0.25, 0.00, 0.12, 0.33
HSL	150°, 20%, 59%
HSV	150°, 25%, 67%
XYZ	29.1212, 35.9950, 34.2670
YIQ	156.0480, -18.2910, -15.4350

Conversions

Conversions Part 2

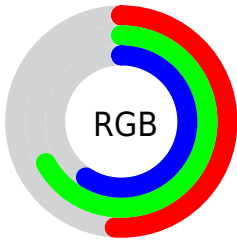
Format	Color
RYB	129, 157, 171
Decimal	8498070
CIELab	66.52, -18.60, 6.23
CIElCh	67, 19.613, 161.484
Yxy	35.9950, 0.2930, 0.3622
Android (android.graphics.Color)	4286688150 (0xFF81AB96)
YUV	156.0480, -2.9817, -23.7211
Hunter-Lab	59.9958, -18.3511, 8.1332

Details

The XYZ color **29.1212, 35.9950, 34.2670** is a light color, and the websafe version is hex **669999**. A complement of this color would be **30.1512, 26.5613, 32.3935**, and the grayscale version is **31.6409, 33.2887, 36.2514**.

A 20% lighter version of the original color is **57.6239, 68.8196, 67.3732**, and **12.0734, 15.7568, 14.2094** is the 20% darker color. If you saturate the color by 10%, you get **26.0744, 34.5020, 30.6607**, and if you desaturate by 10%, it is **32.6549, 37.7352, 38.1599**.

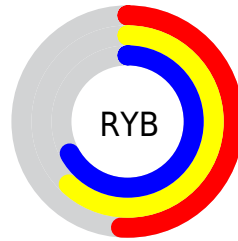
Distribution



Red (51%)

Green (67%)

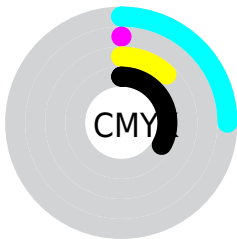
Blue (59%)



Red (51%)

Yellow (62%)

Blue (67%)

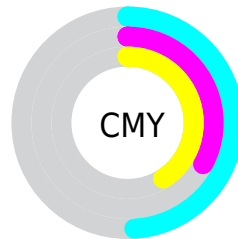


Cyan (25%)

Magenta (0%)

Yellow (12%)

Black (33%)



Cyan (49%)


Magenta (33%)


Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.1212, 35.9950, 34.2670 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 29.1212, 35.9950, 34.2670 by changing the saturation by 10% instead.


 29.1212, 35.9950,
34.2670


 29.1212, 35.9950,
34.2670


289.7703,
328.9387, 336.1264


 19.3173, 24.4303,
22.8198


 57.6658, 69.0243,
67.4873

 12.0051, 15.6532,
14.2564


 77.1372, 91.2578,
90.0974

 6.8194, 9.2791,
8.1585


 100.5618,
117.8164, 117.2656

 3.3947, 4.9236,
4.1073

128.3050,
149.0843, 149.4104

 1.3658, 2.2025,
1.6844

160.7320,
185.4462, 186.9504

 0.2316, 0.7214,
0.3500

198.2084,

 0.0000, 0.0000,

227.2862, 230.3040

0.0000

241.0993,
274.9889, 279.8898

■ 29.1212, 35.9950,
34.2670

■ 29.1212, 35.9950,
34.2670

■ 26.0744, 34.5020,
30.6607

■ 32.6549, 37.7352,
38.1599

■ 23.4890, 33.2401,
27.3320

■ 36.6938, 39.7289,
42.3435

■ 21.3412, 32.1984,
24.2749

■ 41.2587, 41.9877,
46.8246

■ 19.6042, 31.3629,
21.4820

■ 46.3683, 44.5212,
51.6092

■ 18.2478, 30.7184,
18.9458

■ 52.0406, 47.3385,
56.7032

■ 17.2375, 30.2472,
16.6584

■ 58.2924, 50.4482,
62.1121

■ 16.5317, 29.9279,
14.6109

■ 65.1400, 53.8586,
67.8413

■ 16.2231, 29.7910,
13.5933

■ 68.5118, 55.4705,
73.7051

■ 69.6629, 55.9309,
79.7665

Harmonies

Analogous

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



30.5984, 35.9950, 28.2605



29.1212, 35.9950, 34.2670



28.9601, 35.9950, 42.5088

Triad

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



29.1212, 35.9950, 34.2670



35.3514, 35.9950, 57.3194



38.6296, 35.9950, 29.4062

Complementary

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



29.1212, 35.9950, 34.2670



30.1512, 26.5613, 32.3935

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.



40.0637, 35.9950, 36.0532



29.1212, 35.9950, 34.2670



38.0998, 35.9950, 52.6324

Square

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



29.1212, 35.9950, 34.2670



32.4461, 35.9950, 56.6589



39.8644, 35.9950, 44.5686



36.0412, 35.9950, 25.7442

Rectangle

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



29.1212, 35.9950, 34.2670



29.6091, 35.9950, 48.2817



39.8644, 35.9950, 44.5686



39.2692, 35.9950, 31.3221

Sweetspot

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



29.1222, 35.9965, 34.2678



63.7726, 70.1900, 73.8620



31.2335, 37.2631, 26.3157



14.1270, 15.6059, 16.3747



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.



29.1222, 35.9965, 34.2678



49.3458, 63.0865, 58.1080



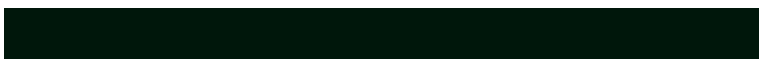
30.9015, 36.7082, 43.6377



8.0652, 9.0036, 9.3684



12.2559, 22.4676, 10.3870



0.3686, 0.6361, 0.4346

Inverse Universe

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



30.1512, 26.5613, 32.3935



51.4820, 43.4979, 54.2167



28.6551, 25.9629, 24.5152



8.1660, 8.0796, 9.1848



13.9385, 7.0380, 7.3217



0.4154, 0.2068, 0.3493

Previews

White Background



This preview shows how the XYZ color 29.1212, 35.9950, 34.2670 looks on a white background.

Color Contrast Check

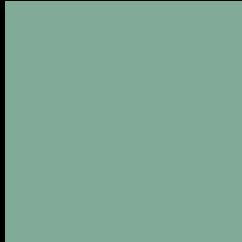
Large Text (above 18pt) WCAG AA × Fail

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 29.1212, 35.9950, 34.2670 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 29.1212, 35.9950, 34.2670

Background



This preview shows how black text looks on a background with the XYZ color 29.1212, 35.9950, 34.2670.



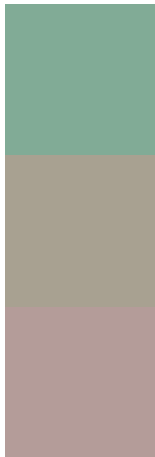
This preview shows how white text looks on a background with the XYZ color 29.1212, 35.9950,

34.2670.

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

29.1212, 35.9950, 34.2670

Protanopia

34.0042, 35.8589, 31.9173

Deuteranopia

36.4606, 35.7801, 35.1216



Tritanopia

32.0486, 36.0836, 48.4557

Trichromacy



Original Color

29.1212, 35.9950, 34.2670

Protanomaly

32.0480, 35.8869, 32.8415

Deuteranomaly

33.1103, 35.3338, 34.7808

Tritanomaly

30.8369, 35.8564, 42.8318

Monochromacy



Original Color

29.1212, 35.9950, 34.2670

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

30.4317, 33.9338, 35.5178

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.1212, 35.9950, 34.2670 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(129, 171, 150)` looks like.

```
.text, #text, p{  
    color:rgb(129, 171, 150)  
}
```

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(129, 171, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 171, 150) }
```

Border

The CSS property to change the border of an element to XYZ 29.1212, 35.9950, 34.2670 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(129, 171, 150) }
```


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

```
.border{ border-color:rgb(129, 171, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 171, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 171, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 171, 150);  
box-shadow:4px 4px 4px 4px rgb(129, 171,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 29.1212, 35.9950, 34.2670 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 171, 150) }
```

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

```
.background{ background-color: rgb(129,  
171, 150) }
```

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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