

Converting Colors

XYZ(27.8232, 34.9572, 49.6000)

Have a look what the booklet for
XYZ(27.8232, 34.9572, 49.6000)
contains.

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Color

**XYZ(27.8303, 34.9900,
49.5429)**

Conversions

Conversions Part 1

Format	Color
Hex	60ABB6
RGB	96, 171, 182
RGB Percent	38%, 67%, 71%
CMY	0.6235, 0.3294, 0.2863
CMYK	0.47, 0.06, 0.00, 0.29
HSL	188°, 37%, 55%
HSV	188°, 47%, 71%
XYZ	27.8303, 34.9900, 49.5429
YIQ	149.8290, -48.2310, -12.4790

Conversions

Conversions Part 2

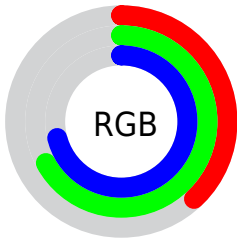
Format	Color
RYB	96, 136, 182
Decimal	6335414
CIELab	65.74, -20.31, -12.90
CIElCh	66, 24.060, 212.411
Yxy	34.9900, 0.2477, 0.3114
Android (android.graphics.Color)	4284525494 (0xFF60ABB6)
YUV	149.8290, 15.8603, -47.2080
Hunter-Lab	59.1523, -19.5350, -8.2516

Details

The XYZ color **27.8303, 34.9900, 49.5429** is a light color, and the websafe version is hex **669999**. A complement of this color would be **26.6612, 21.3058, 13.7746**, and the grayscale version is **28.8675, 30.3708, 33.0738**.

A 20% lighter version of the original color is **55.8506, 67.7866, 91.0294**, and **11.3222, 15.1719, 23.1006** is the 20% darker color. If you saturate the color by 10%, you get **25.6971, 33.2441, 49.3190**, and if you desaturate by 10%, it is **30.4167, 36.9826, 49.7918**.

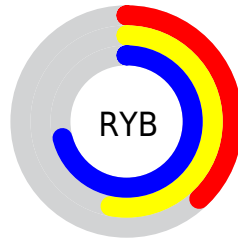
Distribution



Red (38%)

Green (67%)

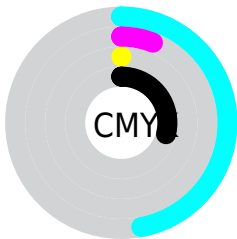
Blue (71%)



Red (38%)

Yellow (53%)

Blue (71%)

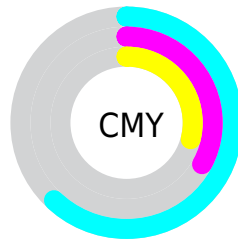


Cyan (47%)

Magenta (6%)

Yellow (0%)

Black (29%)



Cyan (62%)

Magenta (33%)

Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.8303, 34.9900, 49.5429 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 27.8303, 34.9900, 49.5429 by changing the saturation by 10% instead.

■ 27.8303, 34.9900,
49.5429

■ 27.8303, 34.9900,
49.5429

283.7499,
324.5242, 401.5594

■ 18.3376, 23.6552,
34.6817

■ 55.6239, 67.4703,
90.8866

■ 11.2938, 15.0780,
23.1362

■ 74.6556, 89.3845,
118.2061

■ 6.3335, 8.8742,
14.4879

■ 97.5975, 115.5940,
150.5155

■ 3.0915, 4.6592,
8.3181

■ 124.8152,
146.4832, 188.2333

■ 1.2023, 2.0487,
4.2085

156.6739,
182.4364, 231.7781

■ 0.1082, 0.6356,
1.7404

193.5390,

■ 0.0000, 0.0000,

223.8380, 281.5683

0.3882

235.7759,
271.0725, 338.0226

■ 0.0000, 0.0000,
0.0000

■ 27.8303, 34.9900,
49.5429

■ 27.8303, 34.9900,
49.5429

■ 25.6971, 33.2441,
49.3190

■ 30.4167, 36.9826,
49.7918

■ 23.9827, 31.7248,
49.1161

■ 33.4811, 39.2324,
50.0646

■ 22.6533, 30.4152,
48.9334

■ 37.0504, 41.7541,
50.3632

■ 21.6678, 29.2944,
48.7689

■ 41.1485, 44.5601,
50.6888

■ 20.9672, 28.3316,
48.6200

■ 45.7979, 47.6619,
51.0425

■ 20.7944, 28.0791,
48.5804

■ 51.0194, 51.0706,
51.4252

■ 56.8333, 54.7964,
51.8379

■ 63.2583, 58.8492,
52.2815

■ 68.5226, 62.3155,
52.6731

Harmonies

Analogous

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



26.9036, 34.9900, 38.9250



27.8303, 34.9900, 49.5429



30.2003, 34.9900, 58.1407

Triad

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



27.8303, 34.9900, 49.5429



39.6683, 34.9900, 47.8682



32.9711, 34.9900, 21.7392

Complementary

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



27.8303, 34.9900, 49.5429



26.6612, 21.3058, 13.7746

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.



36.5131, 34.9900, 23.2891



27.8303, 34.9900, 49.5429



40.5391, 34.9900, 37.2832

Square

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



27.8303, 34.9900, 49.5429



37.0441, 34.9900, 57.0594



39.3468, 34.9900, 28.5674



29.7372, 34.9900, 23.8854

Rectangle

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



27.8303, 34.9900, 49.5429



32.3653, 34.9900, 60.8975



39.3468, 34.9900, 28.5674



34.1649, 34.9900, 21.8450

Sweetspot

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



27.8314, 34.9913, 49.5437



69.3076, 77.1768, 91.4794



24.1560, 36.9848, 19.5114



14.9686, 16.8115, 20.1776



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



27.8314, 34.9913, 49.5437



46.3416, 60.0605, 89.3861



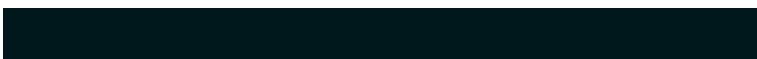
21.1142, 21.5570, 47.3047



9.1661, 10.0093, 11.5283



14.7185, 19.8967, 34.3178



0.5465, 0.7566, 1.2190

Inverse Universe

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



30.8259, 21.2521, 41.0068



52.6240, 32.6881, 71.1503



32.1563, 32.2960, 15.6063



9.3302, 9.1424, 11.0861



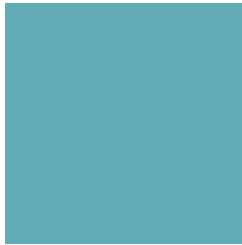
18.0429, 8.7909, 23.9105



0.6500, 0.3155, 0.9162

Previews

White Background



This preview shows how the XYZ color 27.8303, 34.9900, 49.5429 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 27.8303, 34.9900, 49.5429 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

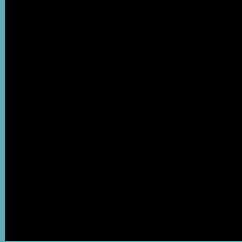
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 27.8303, 34.9900, 49.5429

Background



This preview shows how black text looks on a background with the XYZ color 27.8303, 34.9900, 49.5429.



This preview shows how white text looks on a background with the XYZ color 27.8303, 34.9900,

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

27.8303, 34.9900, 49.5429

Protanopia

33.7715, 34.6778, 44.9579

Deuteranopia

35.3786, 34.6269, 50.7179



Tritanopia

28.1444, 35.1279, 50.6444

Trichromacy



Original Color

27.8303, 34.9900, 49.5429

Protanomaly

31.0247, 34.5196, 46.6227

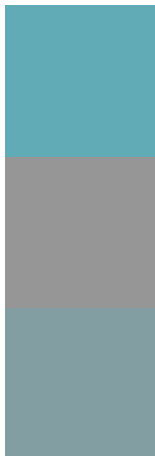
Deuteranomaly

31.8778, 34.3537, 50.2982

Tritanomaly

28.0399, 35.0861, 50.0942

Monochromacy



Original Color

27.8303, 34.9900, 49.5429

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

27.9544, 31.8082, 38.8487

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.8303, 34.9900, 49.5429 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(96, 171, 182)` looks like.

```
.text, #text, p{  
    color:rgb(96, 171, 182)  
}
```

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(96, 171, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 171, 182) }
```

Border

The CSS property to change the border of an element to XYZ 27.8303, 34.9900, 49.5429 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(96, 171, 182) }
```


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

```
.border{ border-color:rgb(96, 171, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 171, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 171, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 171, 182);  
box-shadow:4px 4px 4px 4px rgb(96, 171,  
182) }
```

Background

The CSS property to change the background color of an element to XYZ 27.8303, 34.9900, 49.5429 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 171, 182) }
```

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

```
.background{ background-color: rgb(96, 171,  
182) }
```

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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