

Converting Colors

XYZ(27.2063, 31.5869, 4.5839)

Have a look what the booklet for
XYZ(27.2063, 31.5869, 4.5839)
contains.

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Color

**XYZ(27.1983, 31.6694,
4.6793)**

Conversions

Conversions Part 1

Format	Color
Hex	A49C00
RGB	164, 156, 0
RGB Percent	64%, 61%, 0%
CMY	0.3569, 0.3882, 0.9999
CMYK	0.00, 0.05, 1.00, 0.36
HSL	57°, 100%, 32%
HSV	57°, 100%, 64%
XYZ	27.1983, 31.6694, 4.6793
YIQ	140.6080, 54.8440, -46.8200

Conversions

Conversions Part 2

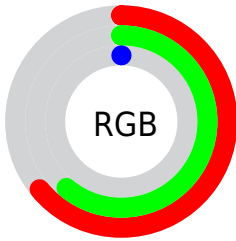
Format	Color
RYB	8, 164, 0
Decimal	10787840
CIELab	63.07, -11.33, 66.27
CIELCh	63, 67.232, 99.699
Yxy	31.6694, 0.4280, 0.4984
Android (android.graphics.Color)	4288977920 (0xFFA49C00)
YUV	140.6080, -69.3197, 20.5148
Hunter-Lab	56.2756, -12.2122, 34.4630

Details

The XYZ color **27.1983, 31.6694, 4.6793** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **6.7879, 2.8543, 35.3149**, and the grayscale version is **25.4128, 26.7363, 29.1158**.

A 20% lighter version of the original color is **54.7140, 62.2756, 15.6152**, and **11.2359, 13.2913, 1.9733** is the 20% darker color. If you saturate the color by 10%, you get **27.1988, 31.6706, 4.6795**, and if you desaturate by 10%, it is **27.4302, 31.9788, 5.2334**.

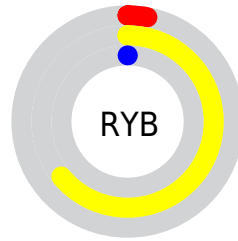
Distribution



Red (64%)

Green (61%)

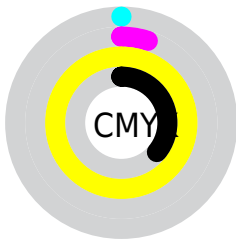
Blue (0%)



Red (3%)

Yellow (64%)

Blue (0%)

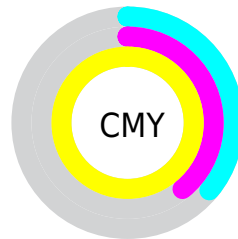


Cyan (0%)

Magenta (5%)

Yellow (100%)

Black (36%)



Cyan (36%)


Magenta (39%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 27.1983, 31.6694, 4.6793 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 27.1983, 31.6694, 4.6793 by changing the saturation by 10% instead.


 27.1983, 31.6694,
4.6793


 27.1983, 31.6694,
4.6793


280.7660,
309.6105, 155.5005


 17.8596, 21.1091,
2.0049


 54.6196, 62.2925,
15.5484


 10.9483, 13.2038,
0.5583


 73.4328, 83.1240,
24.5802


 6.0991, 7.5690,
0.0000


 96.1349, 108.1481,
36.5682

 2.9467, 3.8204,
0.0000

 123.0912,
137.7491, 51.9310

 1.1256, 1.5736,
0.0000

 154.6672,
172.3115, 71.0870


 0.0464, 0.3397,
0.0000


 191.2280,


 0.0000, 0.0000,


212.2196, 94.4550


0.0000


 233.1392,
257.8578, 122.4533


 27.1983, 31.6694,
4.6793


 27.1983, 31.6694,
4.6793


 27.1988, 31.6706,
4.6795

 27.4302, 31.9788,
5.2334

 27.7410, 32.3199,
6.2014

 28.1644, 32.7075,
7.7581

 28.7148, 33.1473,
9.9793

 29.4044, 33.6443,
12.9295

■ 30.2442, 34.2027,
16.6655

■ 31.2437, 34.8264,
21.2388

■ 32.4120, 35.5191,
26.6961

■ 33.7573, 36.2840,
33.0809

Harmonies

Analogous

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



36.7140, 31.6694, 5.3536



27.1983, 31.6694, 4.6793



20.0957, 31.6694, 8.2400

Triad

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



27.1983, 31.6694, 4.6793



18.3698, 31.6694, 78.4138



50.0898, 31.6694, 55.3846

Complementary

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



27.1983, 31.6694, 4.6793



6.7879, 2.8543, 35.3149

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.



42.9735, 31.6694, 90.5146



27.1983, 31.6694, 4.6793



24.3337, 31.6694, 107.8749

Square

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



27.1983, 31.6694, 4.6793



15.7347, 31.6694, 43.8116



33.2028, 31.6694, 113.1783



51.2957, 31.6694, 26.5819

Rectangle

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



27.1983, 31.6694, 4.6793



17.1914, 31.6694, 14.6158



33.2028, 31.6694, 113.1783



48.2493, 31.6694, 67.1591

Sweetspot

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



27.1990, 31.6709, 4.6799



56.6011, 63.1482, 38.0345



15.3549, 7.9107, 0.9535



12.2095, 13.7041, 7.5579



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



27.1990, 31.6709, 4.6799



49.3251, 57.3964, 8.4789



17.5119, 28.7348, 4.6238



7.6197, 8.1778, 7.5570



20.8652, 24.3043, 3.5915



0.4468, 0.5274, 0.0783

Inverse Universe

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



6.7879, 2.8543, 35.3149



12.2765, 5.0920, 64.0881



9.5102, 4.1288, 35.4174



6.7269, 6.9128, 8.8828



5.2148, 2.2090, 27.0813



0.1174, 0.0621, 0.5716

Previews

White Background



This preview shows how the XYZ color 27.1983, 31.6694, 4.6793 looks on a white background.

Color Contrast Check

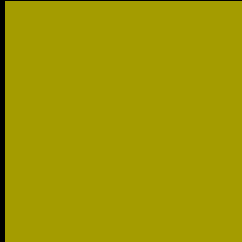
Large Text (above 18pt) WCAG AA × Fail

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 27.1983, 31.6694, 4.6793 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 27.1983, 31.6694, 4.6793

Background



This preview shows how black text looks on a background with the XYZ color 27.1983, 31.6694, 4.6793.



This preview shows how white text looks on a background with the XYZ color 27.1983, 31.6694,

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

27.1983, 31.6694, 4.6793

Protanopia

28.4045, 31.5531, 4.5933

Deuteranopia

32.2625, 31.6462, 5.1670



Tritanopia

33.5817, 31.6498, 35.7916

Trichromacy



Original Color

27.1983, 31.6694, 4.6793

Protanomaly

27.9178, 31.5462, 4.6176

Deuteranomaly

30.1181, 31.4717, 4.9027

Tritanomaly

29.5771, 30.9418, 16.2179

Monochromacy



Original Color

27.1983, 31.6694, 4.6793

Achromatopsia

25.3171, 26.6356, 29.0061

Achromatomaly

24.5188, 27.6855, 13.7244

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.1983, 31.6694, 4.6793 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(164, 156, 0)` looks like.

```
.text, #text, p{  
    color:rgb(164, 156, 0)  
}
```

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(164, 156, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 156, 0) }
```

Border

The CSS property to change the border of an element to XYZ 27.1983, 31.6694, 4.6793 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(164, 156, 0) }
```


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

```
.border{ border-color:rgb(164, 156, 0) }
```

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

Here you see how a box with a 4 pixel rgb(164, 156, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 156, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 156, 0);  
box-shadow:4px 4px 4px 4px rgb(164, 156,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 27.1983, 31.6694, 4.6793 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 156, 0) }
```

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

```
.background{ background-color: rgb(164,  
156, 0) }
```

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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