

Converting Colors

XYZ(27.1630, 31.2506, 5.0398)

Have a look what the booklet for
XYZ(27.1630, 31.2506, 5.0398)
contains.

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Color

**XYZ(27.1589, 31.1450,
5.0321)**

Conversions

Conversions Part 1

Format	Color
Hex	A59A0F
RGB	165, 154, 15
RGB Percent	65%, 60%, 6%
CMY	0.3529, 0.3961, 0.9411
CMYK	0.00, 0.07, 0.91, 0.35
HSL	56°, 83%, 35%
HSV	56°, 91%, 65%
XYZ	27.1589, 31.1450, 5.0321
YIQ	141.4430, 51.1750, -40.8970

Conversions

Conversions Part 2

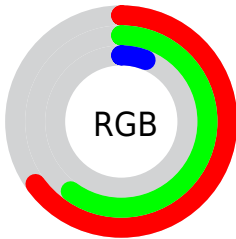
Format	Color
R _Y B	27, 165, 15
Decimal	10852879
CIE Lab	62.63, -9.59, 63.80
CIE LCh	63, 64.513, 98.553
Yxy	31.1450, 0.4288, 0.4917
Android (android.graphics.Color)	4289042959 (0xFFA59A0F)
YUV	141.4430, -62.3364, 20.6595
Hunter-Lab	55.8077, -10.7962, 33.7193

Details

The XYZ color **27.1589, 31.1450, 5.0321** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **7.3582, 3.5573, 35.8959**, and the grayscale version is **25.7162, 27.0555, 29.4634**.

A 20% lighter version of the original color is **54.7076, 61.5236, 16.3890**, and **11.1569, 12.9517, 1.9119** is the 20% darker color. If you saturate the color by 10%, you get **26.8925, 30.7504, 4.5180**, and if you desaturate by 10%, it is **27.5281, 31.6149, 5.9833**.

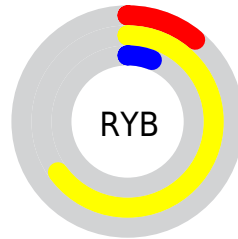
Distribution



Red (65%)

Green (60%)

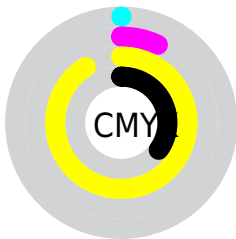
Blue (6%)



Red (11%)

Yellow (65%)

Blue (6%)

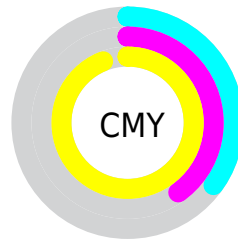


Cyan (0%)

Magenta (7%)

Yellow (91%)

Black (35%)



Cyan (35%)

Magenta (40%)

Yellow (94%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.1589, 31.1450, 5.0321 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 27.1589, 31.1450, 5.0321 by changing the saturation by 10% instead.

■ 27.1589, 31.1450,
5.0321

■ 27.1589, 31.1450,
5.0321

280.5792,
307.2058, 159.0864

■ 17.8298, 20.7093,
2.2070

■ 54.5568, 61.4683,
16.3277

■ 10.9268, 12.9117,
0.6784

■ 73.3564, 82.1247,
25.6353

■ 6.0846, 7.3677,
0.0000

■ 96.0435, 106.9567,
37.9408

■ 2.9377, 3.6931,
0.0000

■ 122.9834,
136.3488, 53.6628

■ 1.1209, 1.5034,
0.0000

■ 154.5416,
170.6854, 73.2199

■ 0.0425, 0.2911,
0.0000

■ 191.0834,

■ 0.0000, 0.0000,

210.3508, 97.0304

0.0000

232.9742,
255.7295, 125.5131

27.1589, 31.1450,
5.0321

27.1589, 31.1450,
5.0321

26.8925, 30.7504,
4.5180

27.5281, 31.6149,
5.9833

28.0104, 32.1321,
7.5232

28.6213, 32.7040,
9.7310

29.3737, 33.3357,
12.6728

30.2784, 34.0316,
16.4073

■ 31.3455, 34.7958,
20.9868

■ 32.5841, 35.6318,
26.4593

■ 34.0026, 36.5430,
32.8692

■ 35.6090, 37.5327,
40.2581

Harmonies

Analogous

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



36.2236, 31.1450, 5.8628



27.1589, 31.1450, 5.0321



20.2674, 31.1450, 8.3930

Triad

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



27.1589, 31.1450, 5.0321



18.2528, 31.1450, 73.9172



48.2883, 31.1450, 54.8723

Complementary

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



27.1589, 31.1450, 5.0321



7.3582, 3.5573, 35.8959

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.



41.4370, 31.1450, 87.6097



27.1589, 31.1450, 5.0321



23.8416, 31.1450, 101.8767

Square

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



27.1589, 31.1450, 5.0321



15.8352, 31.1450, 41.6330



32.1882, 31.1450, 107.8486



49.6627, 31.1450, 27.2093

Rectangle

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



27.1589, 31.1450, 5.0321



17.3961, 31.1450, 14.4057



32.1882, 31.1450, 107.8486



46.4925, 31.1450, 65.9589

Sweetspot

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



27.1596, 31.1465, 5.0327



56.8586, 62.8126, 40.7425



15.8917, 8.4227, 1.8562



12.2820, 13.6301, 8.2570



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.



27.1596, 31.1465, 5.0327



48.0980, 54.9423, 8.0699



19.0782, 29.7990, 5.1986



7.6048, 8.1480, 7.5520



20.3603, 23.2945, 3.4232



0.4401, 0.5140, 0.0760

Inverse Universe

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



7.3582, 3.5573, 35.8959



12.3441, 5.2271, 64.1107



10.0640, 4.6574, 35.9657



6.7403, 6.9395, 8.8873



5.2536, 2.2867, 27.0943



0.1222, 0.0716, 0.5732

Previews

White Background



This preview shows how the XYZ color 27.1589, 31.1450, 5.0321 looks on a white background.

Color Contrast Check

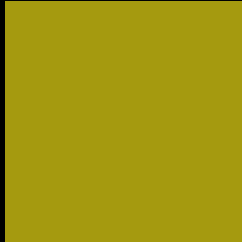
Large Text (above 18pt) WCAG AA × Fail

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 27.1589, 31.1450, 5.0321 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 27.1589, 31.1450, 5.0321

Background



This preview shows how black text looks on a background with the XYZ color 27.1589, 31.1450, 5.0321.



This preview shows how white text looks on a background with the XYZ color 27.1589, 31.1450,

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

27.1589, 31.1450, 5.0321

Protanopia

28.1021, 31.1461, 4.9461

Deuteranopia

31.6346, 31.0931, 5.2539



Tritanopia

33.1108, 30.9767, 34.8058

Trichromacy



Original Color

27.1589, 31.1450, 5.0321

Protanomaly

27.8327, 31.2492, 4.9802

Deuteranomaly

30.0167, 31.1790, 5.1456

Tritanomaly

29.6765, 30.5046, 17.1558

Monochromacy



Original Color

27.1589, 31.1450, 5.0321

Achromatopsia

25.3171, 26.6356, 29.0061

Achromatomaly

24.9221, 27.8680, 14.8920

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.1589, 31.1450, 5.0321 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(165, 154, 15)` looks like.

```
.text, #text, p{  
    color:rgb(165, 154, 15)  
}
```

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(165, 154, 15) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 154, 15) }
```

Border

The CSS property to change the border of an element to XYZ 27.1589, 31.1450, 5.0321 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(165, 154, 15) }
```


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

```
.border{ border-color:rgb(165, 154, 15) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 154, 15)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 154, 15); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 154, 15);  
box-shadow:4px 4px 4px 4px rgb(165, 154,  
15) }
```

Background

The CSS property to change the background color of an element to XYZ 27.1589, 31.1450, 5.0321 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 154, 15) }
```

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

```
.background{ background-color: rgb(165,  
154, 15) }
```

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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