

Converting Colors

XYZ(28.4308, 31.6655, 11.2107)

Have a look what the booklet for
XYZ(28.4308, 31.6655, 11.2107)
contains.

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Color

**XYZ(28.3427, 31.6185,
11.2658)**

Conversions

Conversions Part 1

Format	Color
Hex	A59A4B
RGB	165, 154, 75
RGB Percent	65%, 60%, 29%
CMY	0.3529, 0.3961, 0.7059
CMYK	0.00, 0.07, 0.55, 0.35
HSL	53°, 37%, 47%
HSV	53°, 55%, 65%
XYZ	28.3427, 31.6185, 11.2658
YIQ	148.2830, 31.9150, -22.2370

Conversions

Conversions Part 2

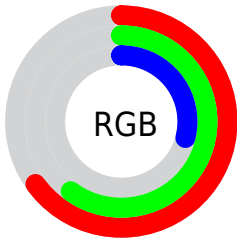
Format	Color
RYB	88, 165, 75
Decimal	10852939
CIELab	63.03, -6.59, 42.36
CIElCh	63, 42.869, 98.838
Yxy	31.6185, 0.3979, 0.4439
Android (android.graphics.Color)	4289043019 (0xFFA59A4B)
YUV	148.2830, -36.1285, 14.6608
Hunter-Lab	56.2303, -8.4308, 27.4824

Details

The XYZ color **28.3427, 31.6185, 11.2658** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **13.0210, 10.8679, 37.0088**, and the grayscale version is **28.4041, 29.8833, 32.5430**.

A 20% lighter version of the original color is **56.4460, 62.1477, 28.7593**, and **11.5813, 13.1502, 2.8475** is the 20% darker color. If you saturate the color by 10%, you get **27.5200, 30.7626, 8.5577**, and if you desaturate by 10%, it is **29.3190, 32.5471, 14.7485**.

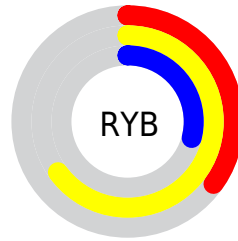
Distribution



Red (65%)

Green (60%)

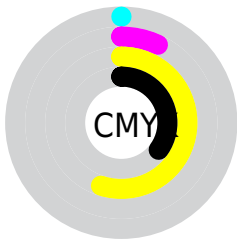
Blue (29%)



Red (35%)

Yellow (65%)

Blue (29%)

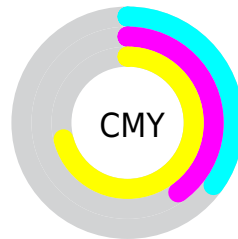


Cyan (0%)

Magenta (7%)

Yellow (55%)

Black (35%)



Cyan (35%)

Magenta (40%)

Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.3427, 31.6185, 11.2658 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 28.3427, 31.6185, 11.2658 by changing the saturation by 10% instead.

■ 28.3427, 31.6185,
11.2658

■ 28.3427, 31.6185,
11.2658

286.1513,
309.3777, 210.2846

■ 18.7259, 21.0703,
6.1295

■ 56.4359, 62.2125,
28.7948

■ 11.5752, 13.1754,
2.8539

■ 75.6431, 83.0271,
42.0245

■ 6.5253, 7.5494,
1.0205

■ 98.7778, 108.0326,
58.7891

■ 3.2107, 3.8080,
0.0000

■ 126.2054,
137.6135, 79.5072

■ 1.2661, 1.5668,
0.0000

■ 158.2911,
172.1540, 104.5972

■ 0.1577, 0.3350,
0.0000

195.4005,

■ 0.0000, 0.0000,

212.0386, 134.4778

0.0000

237.8988,
257.6517, 169.5674

■ 28.3427, 31.6185,
11.2658

■ 28.3427, 31.6185,
11.2658

■ 27.5200, 30.7626,
8.5577

■ 29.3190, 32.5471,
14.7485

■ 26.8370, 29.9704,
6.5611

■ 30.4570, 33.5482,
19.0582

■ 26.2811, 29.2378,
5.2067

■ 31.7669, 34.6270,
24.2452

■ 25.8361, 28.5585,
4.4091

■ 33.2573, 35.7872,
30.3550

■ 25.6181, 28.2014,
4.0932

■ 34.9364, 37.0319,
37.4302

■ 36.8117, 38.3642,
45.5105

■ 38.8904, 39.7872,
54.6336

■ 41.1793, 41.3034,
64.8350

■ 43.6849, 42.9156,
76.1489

Harmonies

Analogous

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



34.3375, 31.6185, 12.1452



28.3427, 31.6185, 11.2658



23.4837, 31.6185, 14.8122

Triad

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



28.3427, 31.6185, 11.2658



22.0525, 31.6185, 59.0908



41.9241, 31.6185, 47.5412

Complementary

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



28.3427, 31.6185, 11.2658



13.0210, 10.8679, 37.0088

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.



37.7443, 31.6185, 66.4484



28.3427, 31.6185, 11.2658



26.1395, 31.6185, 74.4921

Square

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



28.3427, 31.6185, 11.2658



20.1772, 31.6185, 39.6649



31.8296, 31.6185, 77.5537



42.7162, 31.6185, 29.6721

Rectangle

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



28.3427, 31.6185, 11.2658



21.3513, 31.6185, 20.2011



31.8296, 31.6185, 77.5537



40.8447, 31.6185, 54.1285

Sweetspot

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



28.3435, 31.6200, 11.2664



59.0706, 63.7180, 52.3270



19.7537, 13.7200, 10.6244



12.7979, 13.8407, 10.9606



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.



28.3435, 31.6200, 11.2664



49.0681, 54.8522, 14.6526



24.2411, 32.3239, 11.6185



7.5752, 8.0889, 7.5421



19.4048, 21.3835, 3.1047



0.4271, 0.4880, 0.0717

Inverse Universe

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



13.0210, 10.8679, 37.0088



18.8880, 14.0109, 65.4612



15.4923, 10.9373, 36.8919



6.7670, 6.9930, 8.8962



5.3503, 2.4800, 27.1265



0.1316, 0.0905, 0.5764

Previews

White Background



This preview shows how the XYZ color 28.3427, 31.6185, 11.2658 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 28.3427, 31.6185, 11.2658 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

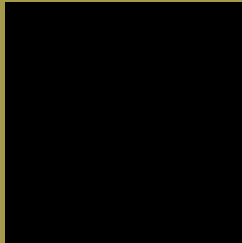
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 28.3427, 31.6185, 11.2658

Background



This preview shows how black text looks on a background with the XYZ color 28.3427, 31.6185, 11.2658.



This preview shows how white text looks on a background with the XYZ color 28.3427, 31.6185,

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

28.3427, 31.6185, 11.2658

Protanopia

29.0234, 31.7255, 11.2505

Deuteranopia

32.2040, 31.4780, 11.3997



Tritanopia

33.3597, 31.5353, 35.7812

Trichromacy



Original Color

28.3427, 31.6185, 11.2658

Protanomaly

28.8097, 31.6153, 11.2405

Deuteranomaly

30.7168, 31.4049, 11.2803

Tritanomaly

30.9982, 31.2582, 24.4783

Monochromacy



Original Color

28.3427, 31.6185, 11.2658

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

27.6840, 30.0632, 22.4328

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.3427, 31.6185, 11.2658 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, 75)` looks like.

```
.text, #text, p{  
    color:rgb(165, 154, 75)  
}
```

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, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 154, 75) }
```

Border

The CSS property to change the border of an element to XYZ 28.3427, 31.6185, 11.2658 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, 75) }
```


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

```
.border{ border-color:rgb(165, 154, 75) }
```

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, 75) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 154, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 154, 75);  
box-shadow:4px 4px 4px 4px rgb(165, 154,  
75) }
```

Background

The CSS property to change the background color of an element to XYZ 28.3427, 31.6185, 11.2658 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, 75) }
```

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

```
.background{ background-color: rgb(165,  
154, 75) }
```

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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