

Converting Colors

XYZ(27.1468, 31.8107, 4.7093)

Have a look what the booklet for
XYZ(27.1468, 31.8107, 4.7093)
contains.

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Color

**XYZ(27.1612, 31.9005,
4.7259)**

Conversions

Conversions Part 1

Format	Color
Hex	A39D00
RGB	163, 157, 0
RGB Percent	64%, 62%, 0%
CMY	0.3608, 0.3843, 0.9999
CMYK	0.00, 0.04, 1.00, 0.36
HSL	58°, 100%, 32%
HSV	58°, 100%, 64%
XYZ	27.1612, 31.9005, 4.7259
YIQ	140.8960, 53.9730, -47.5550

Conversions

Conversions Part 2

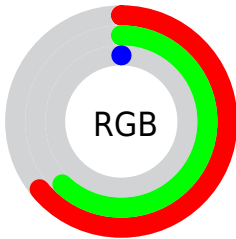
Format	Color
RYB	6, 163, 0
Decimal	10722560
CIELab	63.26, -12.30, 66.37
CIELCh	63, 67.501, 100.502
Yxy	31.9005, 0.4258, 0.5001
Android (android.graphics.Color)	4288912640 (0xFFA39D00)
YUV	140.8960, -69.4617, 19.3852
Hunter-Lab	56.4805, -13.0012, 34.5754

Details

The XYZ color **27.1612, 31.9005, 4.7259** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **6.6762, 2.7749, 34.8336**, and the grayscale version is **25.5270, 26.8564, 29.2466**.

A 20% lighter version of the original color is **54.6545, 62.6125, 15.6834**, and **11.2174, 13.4339, 2.0018** is the 20% darker color. If you saturate the color by 10%, you get **27.1617, 31.9018, 4.7261**, and if you desaturate by 10%, it is **27.3594, 32.1437, 5.2650**.

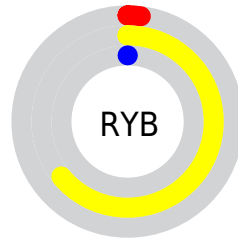
Distribution



Red (64%)

Green (62%)

Blue (0%)



Red (2%)

Yellow (64%)

Blue (0%)

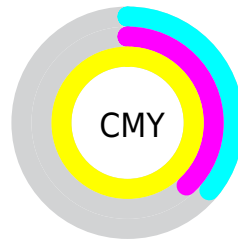


Cyan (0%)

Magenta (4%)

Yellow (100%)

Black (36%)



Cyan (36%)

Magenta (38%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.1612, 31.9005, 4.7259 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 27.1612, 31.9005, 4.7259 by changing the saturation by 10% instead.

■ 27.1612, 31.9005,
4.7259

■ 27.1612, 31.9005,
4.7259

■ 280.5901,
310.6657, 155.9811

■ 17.8315, 21.2855,
2.0314

■ 54.5605, 62.6551,
15.6520

■ 10.9281, 13.3329,
0.5745

■ 73.3608, 83.5634,
24.7208

■ 6.0854, 7.6582,
0.0000

■ 96.0488, 108.6717,
36.7514

■ 2.9382, 3.8770,
0.0000

■ 122.9897,
138.3643, 52.1624

■ 1.1212, 1.6050,
0.0000

■ 154.5489,
173.0256, 71.3723


■ 0.0427, 0.3610,
0.0000


■ 191.0919,


■ 0.0000, 0.0000,


213.0401, 94.7997


0.0000


 232.9838,
258.7920, 122.8631


 27.1612, 31.9005,
4.7259


 27.1612, 31.9005,
4.7259


 27.1617, 31.9018,
4.7261

 27.3594, 32.1437,
5.2650

 27.6349, 32.4174,
6.2114

 28.0210, 32.7361,
7.7381

 28.5319, 33.1056,
9.9199

 29.1798, 33.5306,
12.8202

■ 29.9753, 34.0155,
16.4952

■ 30.9279, 34.5640,
20.9952

■ 32.0464, 35.1798,
26.3665

■ 33.3390, 35.8659,
32.6519

Harmonies

Analogous

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



36.7232, 31.9005, 5.3004



27.1612, 31.9005, 4.7259



20.0818, 31.9005, 8.4562

Triad

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



27.1612, 31.9005, 4.7259



18.6052, 31.9005, 80.0340



50.6130, 31.9005, 54.9013

Complementary

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



27.1612, 31.9005, 4.7259



6.6762, 2.7749, 34.8336

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.



43.5547, 31.9005, 90.4108



27.1612, 31.9005, 4.7259



24.7089, 31.9005, 109.3505

Square

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



27.1612, 31.9005, 4.7259



15.8602, 31.9005, 44.9860



33.7157, 31.9005, 113.9001



51.6465, 31.9005, 26.1718

Rectangle

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



27.1612, 31.9005, 4.7259



17.2139, 31.9005, 15.0549



33.7157, 31.9005, 113.9001



48.8070, 31.9005, 66.7412

Sweetspot

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



27.1619, 31.9020, 4.7265



55.2859, 61.8436, 37.1045



15.1490, 7.8046, 0.9425



12.2568, 13.7987, 7.5737



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.



27.1619, 31.9020, 4.7265



48.6116, 57.0670, 8.4529



17.2802, 28.3505, 4.5619



7.6270, 8.1924, 7.5594



21.1175, 24.8090, 3.6756



0.4501, 0.5341, 0.0794

Inverse Universe

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



6.6762, 2.7749, 34.8336



11.9240, 4.9048, 62.3744



9.3858, 4.0751, 34.9418



6.7204, 6.8998, 8.8807



5.1959, 2.1712, 27.0750



0.1151, 0.0574, 0.5709

Previews

White Background



This preview shows how the XYZ color 27.1612, 31.9005, 4.7259 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 27.1612, 31.9005, 4.7259 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 27.1612, 31.9005, 4.7259

Background



This preview shows how black text looks on a background with the XYZ color 27.1612, 31.9005, 4.7259.

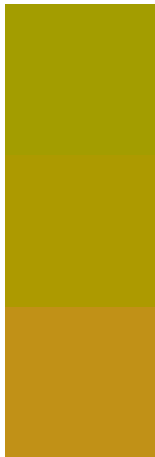


This preview shows how white text looks on a background with the XYZ color 27.1612, 31.9005,

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

27.1612, 31.9005, 4.7259

Protanopia

28.7892, 31.9954, 4.6584

Deuteranopia

32.2724, 31.6501, 5.2188



Tritanopia

33.5983, 31.8763, 36.2802

Trichromacy



Original Color

27.1612, 31.9005, 4.7259

Protanomaly

28.0835, 31.8777, 4.6729

Deuteranomaly

30.1251, 31.4745, 4.9394

Tritanomaly

29.5688, 31.1678, 16.5141

Monochromacy



Original Color

27.1612, 31.9005, 4.7259

Achromatopsia

25.3171, 26.6356, 29.0061

Achromatomaly

24.6736, 27.9952, 13.7760

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.1612, 31.9005, 4.7259 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(163, 157, 0)` looks like.

```
.text, #text, p{  
    color:rgb(163, 157, 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(163, 157, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 157, 0) }
```

Border

The CSS property to change the border of an element to XYZ 27.1612, 31.9005, 4.7259 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(163, 157, 0) }
```


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

```
.border{ border-color:rgb(163, 157, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 157, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 157, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 157, 0);  
box-shadow:4px 4px 4px 4px rgb(163, 157,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 27.1612, 31.9005, 4.7259 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 157, 0) }
```

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

```
.background{ background-color: rgb(163,  
157, 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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