

Converting Colors

XYZ(31.0228, 35.9027, 8.2006)

Have a look what the booklet for
XYZ(31.0228, 35.9027, 8.2006)
contains.

XYZ(31.0228, 35.9027, 8.2006)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(31.0228, 35.9027,
8.2006)**

Conversions

Conversions Part 1

Format	Color
Hex	ACA531
RGB	172, 165, 49
RGB Percent	67%, 65%, 19%
CMY	0.3255, 0.3529, 0.8078
CMYK	0.00, 0.04, 0.72, 0.33
HSL	57°, 56%, 43%
HSV	57°, 72%, 67%
XYZ	31.0228, 35.9027, 8.2006
YIQ	153.8690, 41.4080, -34.5920

Conversions

Conversions Part 2

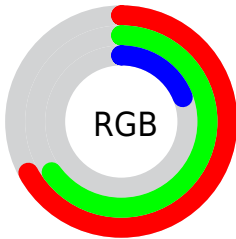
Format	Color
RYB	56, 172, 49
Decimal	11314481
CIELab	66.45, -11.11, 57.69
CIELCh	66, 58.746, 100.902
Yxy	35.9027, 0.4129, 0.4779
Android (android.graphics.Color)	4289504561 (0xFFACA531)
YUV	153.8690, -51.7004, 15.9009
Hunter-Lab	59.9189, -12.4402, 33.8287

Details

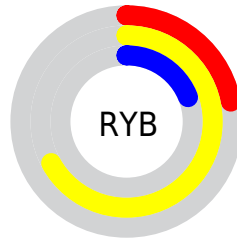
The XYZ color **31.0228, 35.9027, 8.2006** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **10.1273, 6.4599, 39.7426**, and the grayscale version is **30.8655, 32.4729, 35.3630**.

A 20% lighter version of the original color is **60.6745, 68.9887, 22.9502**, and **13.2198, 15.7476, 2.3428** is the 20% darker color. If you saturate the color by 10%, you get **30.5514, 35.4343, 6.5819**, and if you desaturate by 10%, it is **31.6357, 36.4326, 10.5507**.

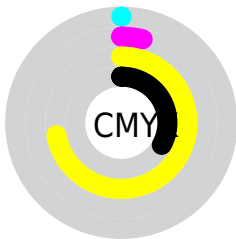
Distribution



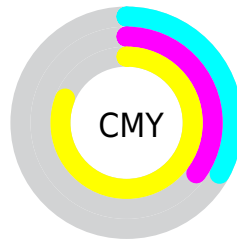
- Red (67%)
- Green (65%)
- Blue (19%)



- Red (22%)
- Yellow (67%)
- Blue (19%)



- Cyan (0%)
- Magenta (4%)
- Yellow (72%)
- Black (33%)





- Cyan (33%)
- Magenta (35%)
- Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.0228, 35.9027, 8.2006 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 31.0228, 35.9027, 8.2006 by changing the saturation by 10% instead.


 31.0228, 35.9027,
8.2006


 31.0228, 35.9027,
8.2006


298.4683,
328.5351, 187.2900

 20.7681, 24.3591,
4.1340


 60.6516, 68.8819,
22.9034


 13.0661, 15.6002,
1.6991


 80.7564, 91.0862,
34.3766


 7.5514, 9.2417,
0.3601


 104.8752,
117.6128, 49.1558

 3.8586, 4.8992,
0.0000

 133.3736,
148.8462, 67.6595

 1.6225, 2.1882,
0.0000

 166.6167,
185.1707, 90.3063

 0.4070, 0.7136,
0.0000

 204.9699,

 0.0000, 0.0000,

226.9708, 117.5146

0.0000

248.7987,
274.6308, 149.7030

■ 31.0228, 35.9027,
8.2006

■ 31.0228, 35.9027,
8.2006

■ 30.5514, 35.4343,
6.5819

■ 31.6357, 36.4326,
10.5507

■ 30.2024, 35.0156,
5.6041

■ 32.4017, 37.0246,
13.7044

■ 29.9719, 34.6881,
5.1158

■ 33.3342, 37.6853,
17.7276

■ 34.4442, 38.4192,
22.6788

■ 35.7418, 39.2303,
28.6116

■ 37.2365, 40.1225,
35.5753

■ 38.9370, 41.0991,
43.6160

■ 40.8515, 42.1636,
52.7770

■ 42.9878, 43.3189,
63.0992

Harmonies

Analogous

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



39.9665, 35.9027, 8.8500



31.0228, 35.9027, 8.2006



24.1997, 35.9027, 12.7103

Triad

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



31.0228, 35.9027, 8.2006



22.8648, 35.9027, 80.1886



52.7446, 35.9027, 57.1908

Complementary

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



31.0228, 35.9027, 8.2006



10.1273, 6.4599, 39.7426

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.



46.4479, 35.9027, 88.3597



31.0228, 35.9027, 8.2006



28.8814, 35.9027, 105.1061

Square

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



31.0228, 35.9027, 8.2006



20.0581, 35.9027, 48.9935



37.4262, 35.9027, 108.6112



53.5859, 35.9027, 30.6233

Rectangle

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



31.0228, 35.9027, 8.2006



21.3701, 35.9027, 19.9416



37.4262, 35.9027, 108.6112



51.1507, 35.9027, 67.7164

Sweetspot

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



31.0236, 35.9044, 8.2013



64.8749, 71.1906, 52.0612



18.8553, 11.2650, 5.0782



13.9551, 15.3831, 10.6521



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



31.0236, 35.9044, 8.2013



55.0187, 63.8150, 10.7430



22.8738, 33.6275, 8.1914



8.6231, 9.2510, 8.5445



22.3179, 25.8412, 3.8116



0.6324, 0.7419, 0.1099

Inverse Universe

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



10.1273, 6.4599, 39.7426



14.9285, 7.3852, 71.4444



14.0587, 8.0180, 39.8362



7.6141, 7.8276, 10.0623



5.6342, 2.4023, 29.2112



0.1683, 0.0900, 0.8165

Previews

White Background



This preview shows how the XYZ color 31.0228, 35.9027, 8.2006 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 31.0228, 35.9027, 8.2006 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 31.0228, 35.9027, 8.2006

Background



This preview shows how black text looks on a background with the XYZ color 31.0228, 35.9027, 8.2006.



This preview shows how white text looks on a background with the XYZ color 31.0228, 35.9027,

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

31.0228, 35.9027, 8.2006

Protanopia

32.5099, 35.8778, 8.0080

Deuteranopia

36.3910, 35.5961, 8.3209



Tritanopia

37.7299, 35.8095, 40.9997

Trichromacy



Original Color

31.0228, 35.9027, 8.2006

Protanomaly

31.9908, 35.8728, 8.0343

Deuteranomaly

34.1627, 35.4382, 8.2885

Tritanomaly

34.1621, 35.3488, 23.7613

Monochromacy



Original Color

31.0228, 35.9027, 8.2006

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

30.0772, 33.2917, 21.3637

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.0228, 35.9027, 8.2006 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(172, 165, 49)` looks like.

```
.text, #text, p{  
    color:rgb(172, 165, 49)  
}
```

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(172, 165, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 165, 49) }
```

Border

The CSS property to change the border of an element to XYZ 31.0228, 35.9027, 8.2006 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(172, 165, 49) }
```


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

```
.border{ border-color:rgb(172, 165, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 165, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 165, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 165, 49);  
box-shadow:4px 4px 4px 4px rgb(172, 165,  
49) }
```

Background

The CSS property to change the background color of an element to XYZ 31.0228, 35.9027, 8.2006 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 165, 49) }
```

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

```
.background{ background-color: rgb(172,  
165, 49) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor