

Converting Colors

XYZ(29.7235, 34.9599, 8.5873)

Have a look what the booklet for
XYZ(29.7235, 34.9599, 8.5873)
contains.

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Color

**XYZ(29.6439, 34.9150,
8.5450)**

Conversions

Conversions Part 1

Format	Color
Hex	A6A435
RGB	166, 164, 53
RGB Percent	65%, 64%, 21%
CMY	0.3490, 0.3568, 0.7921
CMYK	0.00, 0.01, 0.68, 0.35
HSL	59°, 52%, 43%
HSV	59°, 68%, 65%
XYZ	29.6439, 34.9150, 8.5450
YIQ	151.9440, 36.8230, -34.0970

Conversions

Conversions Part 2

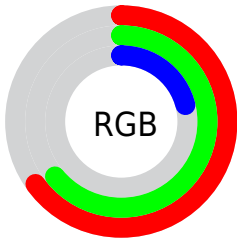
Format	Color
RYB	55, 166, 53
Decimal	10921013
CIELab	65.68, -13.00, 55.20
CIELCh	66, 56.714, 103.250
Yxy	34.9150, 0.4055, 0.4776
Android (android.graphics.Color)	4289111093 (0xFFA6A435)
YUV	151.9440, -48.7794, 12.3271
Hunter-Lab	59.0889, -13.8552, 32.7882

Details

The XYZ color **29.6439, 34.9150, 8.5450** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **9.7173, 6.2423, 36.7687**, and the grayscale version is **30.0144, 31.5775, 34.3879**.

A 20% lighter version of the original color is **58.6735, 67.5509, 23.5819**, and **12.4607, 15.1898, 2.2752** is the 20% darker color. If you saturate the color by 10%, you get **29.2743, 34.6847, 6.8535**, and if you desaturate by 10%, it is **30.1475, 35.2017, 10.9346**.

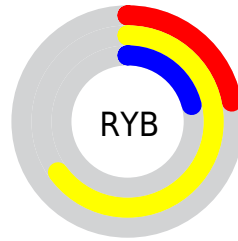
Distribution



Red (65%)

Green (64%)

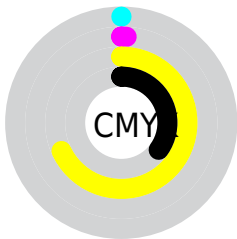
Blue (21%)



Red (22%)

Yellow (65%)

Blue (21%)

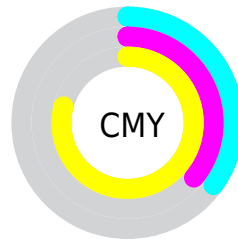


Cyan (0%)

Magenta (1%)

Yellow (68%)

Black (35%)



Cyan (35%)


Magenta (36%)


Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.6439, 34.9150, 8.5450 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 29.6439, 34.9150, 8.5450 by changing the saturation by 10% instead.


 29.6439, 34.9150,
8.5450


 29.6439, 34.9150,
8.5450


292.1808,
324.1930, 190.0377


 19.7152, 23.5974,
4.3529

 58.4891, 67.3541,
23.5837

 12.2952, 15.0352,
1.8209


 78.1362, 89.2443,
35.2674


 7.0187, 8.8441,
0.4417


 101.7536,
115.4276, 50.2853

 3.5202, 4.6397,
0.0000

 129.7065,
146.2883, 69.0560

 1.4345, 2.0374,
0.0000

 162.3603,
182.2108, 91.9981

 0.2806, 0.6291,
0.0000

 200.0804,

 0.0000, 0.0000,

223.5795, 119.5300

0.0000

243.2321,
270.7787, 152.0704

■ 29.6439, 34.9150,
8.5450

■ 29.6439, 34.9150,
8.5450

■ 29.2743, 34.6847,
6.8535

■ 30.1475, 35.2017,
10.9346

■ 29.0219, 34.5001,
5.7823

■ 30.7951, 35.5449,
14.0849

■ 28.8628, 34.3531,
5.2016

■ 31.5982, 35.9506,
18.0540

■ 28.8352, 34.3259,
5.1058

■ 32.5668, 36.4226,
22.8938

■ 33.7099, 36.9646,
28.6518

■ 35.0358, 37.5799,
35.3724

■ 36.5525, 38.2718,
43.0967

■ 38.2673, 39.0430,
51.8636

■ 40.1873, 39.8966,
61.7101

Harmonies

Analogous

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



38.0252, 34.9150, 8.8161



29.6439, 34.9150, 8.5450



23.3655, 34.9150, 13.4166

Triad

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



29.6439, 34.9150, 8.5450



22.8218, 34.9150, 78.9684



51.0327, 34.9150, 52.8481

Complementary

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



29.6439, 34.9150, 8.5450



9.7173, 6.2423, 36.7687

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.



45.4314, 34.9150, 82.2410



29.6439, 34.9150, 8.5450



28.7752, 34.9150, 101.1362

Square

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



29.6439, 34.9150, 8.5450



19.8953, 34.9150, 49.5453



36.9989, 34.9150, 102.5362



51.3711, 34.9150, 28.4311

Rectangle

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



29.6439, 34.9150, 8.5450



20.8261, 34.9150, 20.8650



36.9989, 34.9150, 102.5362



49.6651, 34.9150, 62.6618

Sweetspot

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



29.6447, 34.9166, 8.5457



60.6746, 66.8501, 49.4439



17.7317, 10.9465, 5.0192



13.4497, 14.8992, 10.4183



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



29.6447, 34.9166, 8.5457



52.8562, 62.7576, 11.2484



21.1233, 31.0577, 8.2500



8.1353, 8.7507, 8.0496



22.3644, 26.6260, 3.9606



0.5476, 0.6547, 0.0975

Inverse Universe

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



9.7173, 6.2423, 36.7687



14.1625, 7.0951, 66.0983



14.0685, 8.3476, 36.9457



7.1420, 7.3210, 9.4550



5.3657, 2.1916, 28.1157



0.1338, 0.0598, 0.6851

Previews

White Background



This preview shows how the XYZ color 29.6439, 34.9150, 8.5450 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 29.6439, 34.9150, 8.5450 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

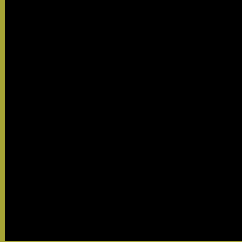
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 29.6439, 34.9150, 8.5450

Background



This preview shows how black text looks on a background with the XYZ color 29.6439, 34.9150, 8.5450.



This preview shows how white text looks on a background with the XYZ color 29.6439, 34.9150,

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

29.6439, 34.9150, 8.5450

Protanopia

31.7810, 34.9733, 8.3243

Deuteranopia

35.5199, 34.8940, 8.7340



Tritanopia

36.0873, 34.7292, 40.3987

Trichromacy



Original Color

29.6439, 34.9150, 8.5450

Protanomaly

30.8203, 34.7363, 8.3292

Deuteranomaly

33.0958, 34.6273, 8.6808

Tritanomaly

32.7083, 34.3398, 23.9731

Monochromacy



Original Color

29.6439, 34.9150, 8.5450

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

28.9455, 32.2060, 21.2138

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.6439, 34.9150, 8.5450 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(166, 164, 53)` looks like.

```
.text, #text, p{  
    color:rgb(166, 164, 53)  
}
```

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(166, 164, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 164, 53) }
```

Border

The CSS property to change the border of an element to XYZ 29.6439, 34.9150, 8.5450 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(166, 164, 53) }
```


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

```
.border{ border-color:rgb(166, 164, 53) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 164, 53)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 164, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 164, 53);  
box-shadow:4px 4px 4px 4px rgb(166, 164,  
53) }
```

Background

The CSS property to change the background color of an element to XYZ 29.6439, 34.9150, 8.5450 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 164, 53) }
```

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

```
.background{ background-color: rgb(166,  
164, 53) }
```

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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