

# Converting Colors

XYZ(29.6011, 35.4377, 5.2800)

Have a look what the booklet for  
XYZ(29.6011, 35.4377, 5.2800)  
contains.

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# Color

**XYZ(29.5726, 35.4879,  
5.2912)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A7A600
RGB	167, 166, 0
RGB Percent	65%, 65%, 0%
CMY	0.3451, 0.3490, 0.9999
CMYK	0.00, 0.01, 1.00, 0.35
HSL	60°, 100%, 33%
HSV	60°, 100%, 65%
XYZ	29.5726, 35.4879, 5.2912
YIQ	147.3750, 53.8820, -51.4140

# Conversions

## Conversions Part 2

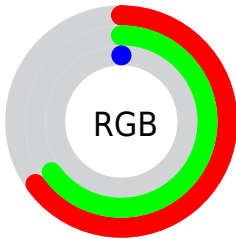
Format	Color
R <sub>Y</sub> B	1, 167, 0
Decimal	10987008
CIE Lab	66.13, -15.19, 68.61
CIE LCh	66, 70.274, 102.480
Yxy	35.4879, 0.4204, 0.5044
Android (android.graphics.Color)	4289177088 (0xFFA7A600)
YUV	147.3750, -72.6559, 17.2111
Hunter-Lab	59.5717, -15.6395, 36.4340

# Details

The XYZ color **29.5726, 35.4879, 5.2912** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **6.9862, 2.8120, 36.7336**, and the grayscale version is **28.1664, 29.6332, 32.2706**.

A 20% lighter version of the original color is **58.5250, 68.4035, 16.9561**, and **12.4477, 15.3496, 2.3067** is the 20% darker color. If you saturate the color by 10%, you get **29.5733, 35.4895, 5.2915**, and if you desaturate by 10%, it is **29.6904, 35.5653, 5.8186**.

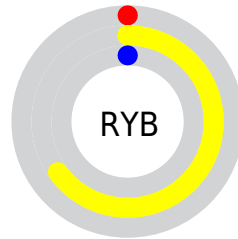
# Distribution



Red (65%)

Green (65%)

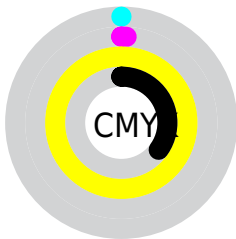
Blue (0%)



Red (0%)

Yellow (65%)

Blue (0%)

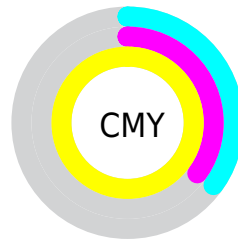


Cyan (0%)

Magenta (1%)

Yellow (100%)

Black (35%)



Cyan (35%)

Magenta (35%)


Yellow (100%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 29.5726, 35.4879, 5.2912 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 29.5726, 35.4879, 5.2912 by changing the saturation by 10% instead.





 29.5726, 35.4879,  
5.2912


 29.5726, 35.4879,  
5.2912


291.8528,  
326.7167, 161.6473


 19.6609, 24.0390,  
2.3574


 58.3769, 68.2409,  
16.8925


 12.2556, 15.3625,  
0.7631


 78.0002, 90.3138,  
26.3970


 6.9914, 9.0742,  
0.0000


 101.5913,  
116.6967, 38.9289

 3.5030, 4.7896,  
0.0000

 129.5157,  
147.7742, 54.9067

 1.4250, 2.1244,  
0.0000

 162.1387,  
183.9305, 74.7489

 0.2739, 0.6783,  
0.0000

 199.8257,

 0.0000, 0.0000,

225.5501, 98.8740

0.0000

242.9419,  
273.0173, 127.7006

29.5726, 35.4879,  
5.2912

29.5726, 35.4879,  
5.2912

29.5733, 35.4895,  
5.2915

29.6904, 35.5653,  
5.8186

29.8899, 35.6741,  
6.7799

30.2059, 35.8295,  
8.3544

30.6534, 36.0375,  
10.6215

31.2453, 36.3033,  
13.6487

■ 31.9928, 36.6314,  
17.4956

■ 32.9062, 37.0259,  
22.2158

■ 33.9948, 37.4904,  
27.8584

■ 35.2671, 38.0285,  
34.4687

# Harmonies

## Analogous

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



40.1460, 35.4879, 5.6467



29.5726, 35.4879, 5.2912



21.9014, 35.4879, 9.8461

# Triad

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



29.5726, 35.4879, 5.2912



20.9782, 35.4879, 91.9702



56.7419, 35.4879, 58.6753

# Complementary

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



29.5726, 35.4879, 5.2912



6.9862, 2.8120, 36.7336

# 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.



49.1966, 35.4879, 98.4949



29.5726, 35.4879, 5.2912



28.0372, 35.4879, 123.5638

# Square

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



29.5726, 35.4879, 5.2912



17.6727, 35.4879, 52.4542



38.2602, 35.4879, 126.4273



57.3909, 35.4879, 27.4933



# Rectangle

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



29.5726, 35.4879, 5.2912



18.8674, 35.4879, 17.6877



38.2602, 35.4879, 126.4273



54.8660, 35.4879, 71.7843

# Sweetspot

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



29.5734, 35.4896, 5.2919



58.8348, 66.2691, 39.2781



15.9518, 8.2219, 0.8266



13.0110, 14.7630, 7.9873



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.



29.5734, 35.4896, 5.2919



52.9583, 63.5480, 9.4748



17.6833, 29.6296, 4.7875



8.1430, 8.7660, 8.0521



22.6313, 27.1598, 4.0496



0.5518, 0.6631, 0.0989



# Inverse Universe

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



6.9862, 2.8120, 36.7336



12.5059, 5.0248, 65.7860



10.3449, 4.5275, 36.8877



7.1353, 7.3074, 9.4527



5.3469, 2.1541, 28.1095



0.1312, 0.0546, 0.6843



# Previews

## White Background



This preview shows how the XYZ color 29.5726, 35.4879, 5.2912 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 29.5726, 35.4879, 5.2912 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 29.5726, 35.4879, 5.2912**

## **Background**



This preview shows how black text looks on a background with the XYZ color 29.5726, 35.4879, 5.2912.



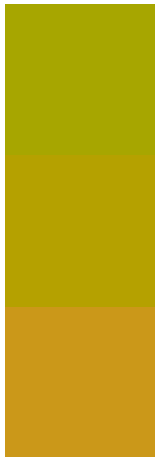
This preview shows how white text looks on a background with the XYZ color 29.5726, 35.4879,



# 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

29.5726, 35.4879, 5.2912

### Protanopia

31.8009, 35.3135, 5.1401

### Deuteranopia

36.0323, 35.2232, 5.8193



## Tritanopia

36.7986, 35.3294, 40.9561

# Trichromacy



## Original Color

29.5726, 35.4879, 5.2912

## Protanomaly

31.0017, 35.4245, 5.2036

## Deuteranomaly

33.3857, 35.0985, 5.5053

## Tritanomaly

32.2839, 34.4930, 18.5919

# Monochromacy



## Original Color

29.5726, 35.4879, 5.2912

## Achromatopsia

27.7328, 29.1771, 31.7738

## Achromatomaly

26.9024, 30.7894, 15.1147

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 29.5726, 35.4879, 5.2912 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(167, 166, 0)` looks like.

```
.text, #text, p{  
    color:rgb(167, 166, 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(167, 166, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 166, 0) }
```

## Border

The CSS property to change the border of an element to XYZ 29.5726, 35.4879, 5.2912 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(167, 166, 0) }
```



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

```
.border{ border-color:rgb(167, 166, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 166, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 166, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 166, 0);  
box-shadow:4px 4px 4px 4px rgb(167, 166,  
0) }
```

# Background

The CSS property to change the background color of an element to XYZ 29.5726, 35.4879, 5.2912 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 166, 0) }
```

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

```
.background{ background-color: rgb(167,  
166, 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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