

Converting Colors

XYZ(29.3432, 36.6320, 3.3823)

Have a look what the booklet for
XYZ(29.3432, 36.6320, 3.3823)
contains.

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Color

**XYZ(29.6846, 36.6420,
5.5081)**

Conversions

Conversions Part 1

Format	Color
Hex	A4AA00
RGB	164, 170, 0
RGB Percent	64%, 67%, 0%
CMY	0.3569, 0.3333, 0.9999
CMYK	0.04, 0.00, 1.00, 0.33
HSL	62°, 100%, 33%
HSV	62°, 100%, 67%
XYZ	29.6846, 36.6420, 5.5081
YIQ	148.8260, 50.9940, -54.1420

Conversions

Conversions Part 2

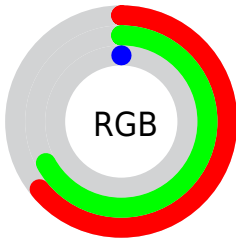
Format	Color
RYB	0, 170, 6
Decimal	10791424
CIELab	67.01, -18.56, 69.15
CIELCh	67, 71.595, 105.021
Yxy	36.6420, 0.4132, 0.5101
Android (android.graphics.Color)	4288981504 (0xFFA4AA00)
YUV	148.8260, -73.3712, 13.3076
Hunter-Lab	60.5326, -18.3975, 36.9778

Details

The XYZ color **29.6846, 36.6420, 5.5081** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **7.3317, 2.9417, 38.2139**, and the grayscale version is **28.7793, 30.2781, 32.9728**.

A 20% lighter version of the original color is **58.6962, 70.0742, 17.4532**, and **12.6628, 16.1450, 2.4489** is the 20% darker color. If you saturate the color by 10%, you get **29.6852, 36.6436, 5.5083**, and if you desaturate by 10%, it is **29.9109, 36.7482, 6.0477**.

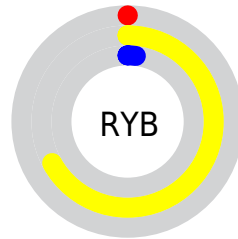
Distribution



Red (64%)

Green (67%)

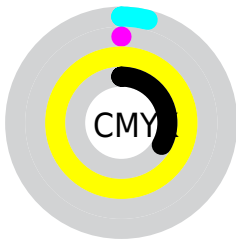
Blue (0%)



Red (0%)

Yellow (67%)

Blue (2%)

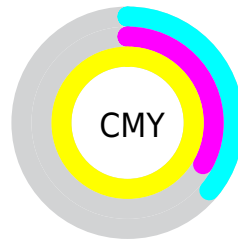


Cyan (4%)

Magenta (0%)

Yellow (100%)

Black (33%)



Cyan (36%)


Magenta (33%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.6846, 36.6420, 5.5081 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 29.6846, 36.6420, 5.5081 by changing the saturation by 10% instead.


 29.6846, 36.6420,
5.5081


 29.6846, 36.6420,
5.5081


292.3678,
331.7580, 163.7477


 19.7462, 24.9304,
2.4845


 58.5531, 70.0218,
17.3607

 12.3179, 16.0252,
0.8319


 78.2139, 92.4589,
27.0268


 7.0343, 9.5420,
0.0000


 101.8462,
119.2399, 39.7441

 3.5301, 5.0964,
0.0000

 129.8154,
150.7492, 55.9311

 1.4399, 2.3039,
0.0000

 162.4868,
187.3713, 76.0065

 0.2844, 0.7758,
0.0000

 200.2257,

 0.0000, 0.0000,

229.4905, 100.3886

0.0000

243.3976,
277.4913, 129.4962

■ 29.6846, 36.6420,
5.5081

■ 29.6846, 36.6420,
5.5081

■ 29.6852, 36.6436,
5.5083

■ 29.9109, 36.7482,
6.0477

■ 30.2234, 36.8877,
7.0418

■ 30.6578, 37.0759,
8.6747

■ 31.2298, 37.3193,
11.0293

■ 31.9529, 37.6232,
14.1763

■ 32.8389, 37.9922,
18.1781

■ 33.8984, 38.4308,
23.0905

■ 35.1412, 38.9428,
28.9650

■ 36.5763, 39.5317,
35.8489

Harmonies

Analogous

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



40.5150, 36.6420, 5.5050



29.6846, 36.6420, 5.5081



22.0327, 36.6420, 10.7755

Triad

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



29.6846, 36.6420, 5.5081



22.0408, 36.6420, 99.0074



59.1794, 36.6420, 57.4594

Complementary

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



29.6846, 36.6420, 5.5081



7.3317, 2.9417, 38.2139

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.



51.8082, 36.6420, 98.9493



29.6846, 36.6420, 5.5081



29.6982, 36.6420, 130.1938

Square

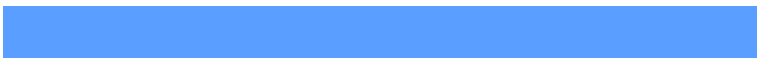
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



29.6846, 36.6420, 5.5081



18.2857, 36.6420, 57.5147



40.5317, 36.6420, 130.1683



59.1736, 36.6420, 26.3033

Rectangle

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



29.6846, 36.6420, 5.5081



19.1053, 36.6420, 19.5777



40.5317, 36.6420, 130.1683



57.4240, 36.6420, 70.8987

Sweetspot

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



29.6854, 36.6437, 5.5089



61.3864, 69.6769, 41.3540



16.6404, 8.6700, 0.7969



13.5067, 15.4627, 8.3708



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.



29.6854, 36.6437, 5.5089



53.8167, 66.4609, 9.9918



17.6289, 30.4283, 4.9446



8.1203, 8.7601, 8.0522



21.8457, 26.9591, 4.0522



0.5393, 0.6599, 0.0990

Inverse Universe

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



7.3317, 2.9417, 38.2139



13.2628, 5.3165, 69.3290



11.5390, 5.1106, 38.4108



7.1554, 7.3127, 9.4527



5.4028, 2.1687, 28.1093



0.1389, 0.0566, 0.6843

Previews

White Background



This preview shows how the XYZ color 29.6846, 36.6420, 5.5081 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 29.6846, 36.6420, 5.5081 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 29.6846, 36.6420, 5.5081

Background



This preview shows how black text looks on a background with the XYZ color 29.6846, 36.6420, 5.5081.



This preview shows how white text looks on a background with the XYZ color 29.6846, 36.6420,

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

29.6846, 36.6420, 5.5081

Protanopia

32.8644, 36.3847, 5.2908

Deuteranopia

37.3728, 36.6436, 6.1401



Tritanopia

37.3871, 36.5861, 43.1215

Trichromacy



Original Color

29.6846, 36.6420, 5.5081

Protanomaly

31.7677, 36.6195, 5.3939

Deuteranomaly

34.1578, 36.2584, 5.7286

Tritanomaly

32.6404, 35.6940, 19.3567

Monochromacy



Original Color

29.6846, 36.6420, 5.5081

Achromatopsia

28.5667, 30.0544, 32.7292

Achromatomaly

27.4490, 31.8102, 15.5197

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.6846, 36.6420, 5.5081 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(164, 170, 0)` looks like.

```
.text, #text, p{  
    color:rgb(164, 170, 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(164, 170, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 170, 0) }
```

Border

The CSS property to change the border of an element to XYZ 29.6846, 36.6420, 5.5081 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(164, 170, 0) }
```


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

```
.border{ border-color:rgb(164, 170, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 170, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 170, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 170, 0);  
box-shadow:4px 4px 4px 4px rgb(164, 170,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 29.6846, 36.6420, 5.5081 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 170, 0) }
```

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

```
.background{ background-color: rgb(164,  
170, 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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