

Converting Colors

XYZ(29.3723, 36.6940, 6.6363)

Have a look what the booklet for
XYZ(29.3723, 36.6940, 6.6363)
contains.

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Color

**XYZ(29.4705, 36.7867,
6.6459)**

Conversions

Conversions Part 1

Format	Color
Hex	A1AB1C
RGB	161, 171, 28
RGB Percent	63%, 67%, 11%
CMY	0.3686, 0.3294, 0.8902
CMYK	0.06, 0.00, 0.84, 0.33
HSL	64°, 72%, 39%
HSV	64°, 84%, 67%
XYZ	29.4705, 36.7867, 6.6459
YIQ	151.7080, 39.9430, -46.5930

Conversions

Conversions Part 2

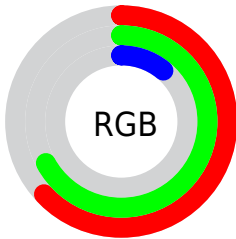
Format	Color
R _Y B	28, 171, 38
Decimal	10595100
CIE Lab	67.12, -19.84, 64.56
CIE LCh	67, 67.540, 107.086
Yxy	36.7867, 0.4042, 0.5046
Android (android.graphics.Color)	4288785180 (0xFFA1AB1C)
YUV	151.7080, -60.9880, 8.1491
Hunter-Lab	60.6520, -19.4089, 35.9598

Details

The XYZ color **29.4705, 36.7867, 6.6459** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **8.5663, 4.1836, 38.8863**, and the grayscale version is **29.9627, 31.5231, 34.3287**.

A 20% lighter version of the original color is **58.1712, 70.1574, 19.7083**, and **12.4225, 16.1969, 2.4716** is the 20% darker color. If you saturate the color by 10%, you get **29.0815, 36.6048, 5.8465**, and if you desaturate by 10%, it is **29.9797, 37.0197, 8.0590**.

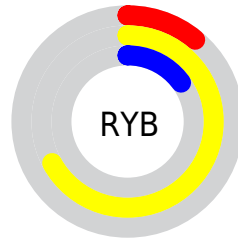
Distribution



Red (63%)

Green (67%)

Blue (11%)



Red (11%)

Yellow (67%)

Blue (15%)

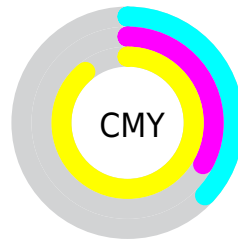


Cyan (6%)

Magenta (0%)

Yellow (84%)

Black (33%)



Cyan (37%)


Magenta (33%)


Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.4705, 36.7867, 6.6459 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 29.4705, 36.7867, 6.6459 by changing the saturation by 10% instead.


 29.4705, 36.7867,
6.6459


 29.4705, 36.7867,
6.6459


291.3828,
332.3861, 174.2058


 19.5831, 25.0424,
3.1666


 58.2162, 70.2446,
19.7578

 12.1989, 16.1086,
1.1803


 77.8052, 92.7270,
30.2275


 6.9524, 9.6011,
0.0000


 101.3588,
119.5575, 43.8644

 3.4784, 5.1353,
0.0000

 129.2423,
151.1206, 61.0870

 1.4115, 2.3268,
0.0000

 161.8211,
187.8006, 82.3140

 0.2644, 0.7879,
0.0000

 199.4605,

 0.0000, 0.0000,

229.9819, 107.9637

0.0000

242.5260,
278.0490, 138.4548

■ 29.4705, 36.7867,
6.6459

■ 29.4705, 36.7867,
6.6459

■ 29.0815, 36.6048,
5.8465

■ 29.9797, 37.0197,
8.0590

■ 28.8698, 36.5025,
5.5241

■ 30.6238, 37.3056,
10.1742

■ 31.4180, 37.6518,
13.0679

■ 32.3749, 38.0634,
16.8061

■ 33.5057, 38.5448,
21.4477

■ 34.8205, 39.1000,
27.0463

■ 36.3288, 39.7330,
33.6516

■ 38.0394, 40.4470,
41.3095

■ 39.9604, 41.2456,
50.0632

Harmonies

Analogous

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



39.5728, 36.7867, 6.3288



29.4705, 36.7867, 6.6459



22.3896, 36.7867, 12.5440

Triad

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



29.4705, 36.7867, 6.6459



23.1545, 36.7867, 97.4954



57.9979, 36.7867, 54.0910

Complementary

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



29.4705, 36.7867, 6.6459



8.5663, 4.1836, 38.8863

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.



51.5389, 36.7867, 92.3141



29.4705, 36.7867, 6.6459



30.7289, 36.7867, 124.4966

Square

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



29.4705, 36.7867, 6.6459



19.2643, 36.7867, 59.1044



41.1024, 36.7867, 122.2374



57.4773, 36.7867, 25.6128

Rectangle

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



29.4705, 36.7867, 6.6459



19.7301, 36.7867, 21.8033



41.1024, 36.7867, 122.2374



56.5249, 36.7867, 66.3979

Sweetspot

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



29.4713, 36.7884, 6.6467



61.9044, 69.8311, 46.4791



17.6838, 10.0993, 2.1164



13.6220, 15.4954, 9.5826



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.



29.4713, 36.7884, 6.6467



51.6264, 65.3318, 9.8893



18.9872, 31.3837, 6.1560



8.6065, 9.3013, 8.5551



21.7807, 27.5254, 4.1650



0.6220, 0.7740, 0.1166

Inverse Universe

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



8.5663, 4.1836, 38.8863



13.3703, 5.3719, 69.3341



14.0780, 7.0250, 39.1442



7.6289, 7.7830, 10.0529



5.6732, 2.2845, 29.1865



0.1743, 0.0720, 0.8127

Previews

White Background



This preview shows how the XYZ color 29.4705, 36.7867, 6.6459 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 29.4705, 36.7867, 6.6459 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 29.4705, 36.7867, 6.6459

Background



This preview shows how black text looks on a background with the XYZ color 29.4705, 36.7867, 6.6459.



This preview shows how white text looks on a background with the XYZ color 29.4705, 36.7867,

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

29.4705, 36.7867, 6.6459

Protanopia

33.2291, 36.8158, 6.3321

Deuteranopia

37.2480, 36.5618, 6.9277



Tritanopia

37.0781, 36.6591, 44.1514

Trichromacy



Original Color

29.4705, 36.7867, 6.6459

Protanomaly

31.9210, 36.9467, 6.4859

Deuteranomaly

34.0199, 36.4240, 6.7509

Tritanomaly

32.8495, 35.9855, 22.9838

Monochromacy



Original Color

29.4705, 36.7867, 6.6459

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

28.5695, 32.8264, 18.7403

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.4705, 36.7867, 6.6459 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(161, 171, 28)` looks like.

```
.text, #text, p{  
    color:rgb(161, 171, 28)  
}
```

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(161, 171, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 171, 28) }
```

Border

The CSS property to change the border of an element to XYZ 29.4705, 36.7867, 6.6459 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(161, 171, 28) }
```


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

```
.border{ border-color:rgb(161, 171, 28) }
```

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

Here you see how a box with a 4 pixel rgb(161, 171, 28) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 171, 28); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 171, 28);  
box-shadow:4px 4px 4px 4px rgb(161, 171,  
28) }
```

Background

The CSS property to change the background color of an element to XYZ 29.4705, 36.7867, 6.6459 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 171, 28) }
```

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

```
.background{ background-color: rgb(161,  
171, 28) }
```

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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