

Converting Colors

XYZ(28.8073, 36.7680, 2.8814)

Have a look what the booklet for
XYZ(28.8073, 36.7680, 2.8814)
contains.

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Color

**XYZ(29.4505, 37.0821,
5.6054)**

Conversions

Conversions Part 1

Format	Color
Hex	A1AC00
RGB	161, 172, 0
RGB Percent	63%, 67%, 0%
CMY	0.3686, 0.3255, 0.9999
CMYK	0.06, 0.00, 1.00, 0.33
HSL	64°, 100%, 34%
HSV	64°, 100%, 67%
XYZ	29.4505, 37.0821, 5.6054
YIQ	149.1030, 48.6560, -55.8240

Conversions

Conversions Part 2

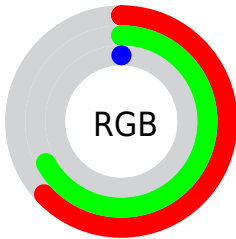
Format	Color
RYB	0, 172, 11
Decimal	10595328
CIELab	67.34, -20.88, 69.29
CIELCh	67, 72.363, 106.768
Yxy	37.0821, 0.4083, 0.5140
Android (android.graphics.Color)	4288785408 (0xFFA1AC00)
YUV	149.1030, -73.5078, 10.4337
Hunter-Lab	60.8951, -20.2390, 37.1689

Details

The XYZ color **29.4505, 37.0821, 5.6054** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **7.5853, 3.0504, 39.2210**, and the grayscale version is **28.8977, 30.4027, 33.1085**.

A 20% lighter version of the original color is **58.0221, 70.5341, 17.5775**, and **12.5422, 16.4362, 2.5115** is the 20% darker color. If you saturate the color by 10%, you get **29.4510, 37.0837, 5.6056**, and if you desaturate by 10%, it is **29.7769, 37.2398, 6.1579**.

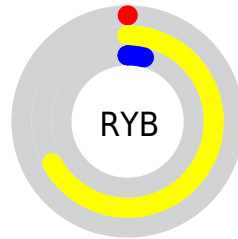
Distribution



Red (63%)

Green (67%)

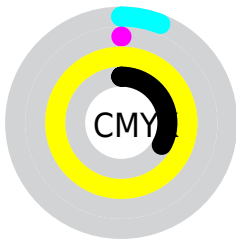
Blue (0%)



Red (0%)

Yellow (67%)

Blue (4%)

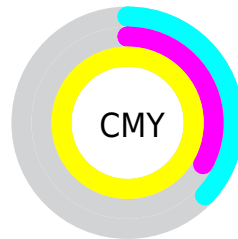


Cyan (6%)

Magenta (0%)

Yellow (100%)

Black (33%)



Cyan (37%)


Magenta (33%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.4505, 37.0821, 5.6054 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 29.4505, 37.0821, 5.6054 by changing the saturation by 10% instead.


 29.4505, 37.0821,
5.6054


 29.4505, 37.0821,
5.6054


291.2907,
333.6658, 164.6778


 19.5679, 25.2711,
2.5418


 58.1847, 70.6990,
17.5695

 12.1878, 16.2791,
0.8622


 77.7670, 93.2737,
27.3071


 6.9448, 9.7219,
0.0000


 101.3132,
120.2051, 40.1064

 3.4736, 5.2149,
0.0000

 129.1887,
151.8775, 56.3859

 1.4089, 2.3739,
0.0000

 161.7588,
188.6754, 76.5643

 0.2625, 0.8124,
0.0000

 199.3890,

 0.0000, 0.0000,

230.9832, 101.0601

0.0000

242.4445,
279.1852, 130.2917

■ 29.4505, 37.0821,
5.6054

■ 29.4505, 37.0821,
5.6054

■ 29.4510, 37.0837,
5.6056

■ 29.7769, 37.2398,
6.1579

■ 30.1936, 37.4324,
7.1791

■ 30.7368, 37.6759,
8.8562

■ 31.4228, 37.9767,
11.2750

■ 32.2654, 38.3404,
14.5083

■ 33.2768, 38.7718,
18.6200

■ 34.4679, 39.2754,
23.6679

■ 35.8488, 39.8551,
29.7048

■ 37.4287, 40.5146,
36.7795

Harmonies

Analogous

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



40.3491, 37.0821, 5.3482



29.4505, 37.0821, 5.6054



21.8927, 37.0821, 11.3487

Triad

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



29.4505, 37.0821, 5.6054



22.5764, 37.0821, 103.1247



60.3120, 37.0821, 56.0102

Complementary

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



29.4505, 37.0821, 5.6054



7.5853, 3.0504, 39.2210

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.



53.1537, 37.0821, 98.2301



29.4505, 37.0821, 5.6054



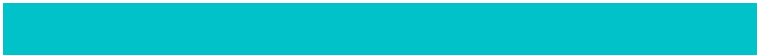
30.5914, 37.0821, 133.6282

Square

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



29.4505, 37.0821, 5.6054



18.5317, 37.0821, 60.6563



41.7546, 37.0821, 131.4759



59.8265, 37.0821, 25.2101

Rectangle

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



29.4505, 37.0821, 5.6054



19.0720, 37.0821, 20.7773



41.7546, 37.0821, 131.4759



58.6653, 37.0821, 69.5349

Sweetspot

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



29.4513, 37.0838, 5.6062



62.3991, 71.1937, 42.3871



17.1079, 8.9583, 0.8280



13.3624, 15.3883, 8.3641



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.



29.4513, 37.0838, 5.6062



53.3534, 67.2343, 10.1655



17.8474, 31.1018, 5.0631



8.6113, 9.3037, 8.5553



21.9328, 27.6038, 4.1721



0.6250, 0.7755, 0.1168

Inverse Universe

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



7.5853, 3.0504, 39.2210



13.6956, 5.4998, 71.1455



12.1260, 5.3912, 39.4335



7.6246, 7.7808, 10.0527



5.6618, 2.2787, 29.1859



0.1725, 0.0711, 0.8126

Previews

White Background



This preview shows how the XYZ color 29.4505, 37.0821, 5.6054 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 29.4505, 37.0821, 5.6054 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 29.4505, 37.0821, 5.6054

Background



This preview shows how black text looks on a background with the XYZ color 29.4505, 37.0821, 5.6054.



This preview shows how white text looks on a background with the XYZ color 29.4505, 37.0821,

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

29.4505, 37.0821, 5.6054

Protanopia

33.2830, 36.8652, 5.3615

Deuteranopia

37.6631, 36.7919, 6.2151



Tritanopia

37.2508, 37.0044, 44.2090

Trichromacy



Original Color

29.4505, 37.0821, 5.6054

Protanomaly

31.7232, 36.8675, 5.4442

Deuteranomaly

34.0893, 36.4806, 5.8170

Tritanomaly

32.3980, 36.0901, 19.7265

Monochromacy



Original Color

29.4505, 37.0821, 5.6054

Achromatopsia

28.5667, 30.0544, 32.7292

Achromatomaly

27.2594, 31.7125, 15.5109

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.4505, 37.0821, 5.6054 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, 172, 0)` looks like.

```
.text, #text, p{  
    color:rgb(161, 172, 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(161, 172, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 172, 0) }
```

Border

The CSS property to change the border of an element to XYZ 29.4505, 37.0821, 5.6054 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, 172, 0) }
```


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

```
.border{ border-color:rgb(161, 172, 0) }
```

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

Here you see how a box with a 4 pixel rgb(161, 172, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 172, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 172, 0);  
box-shadow:4px 4px 4px 4px rgb(161, 172,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 29.4505, 37.0821, 5.6054 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 172, 0) }
```

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

```
.background{ background-color: rgb(161,  
172, 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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