

Converting Colors

XYZ(28.3230, 42.3391, 6.6795)

Have a look what the booklet for
XYZ(28.3230, 42.3391, 6.6795)
contains.

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Color

**XYZ(28.3037, 42.2481,
6.6629)**

Conversions

Conversions Part 1

Format	Color
Hex	85BF00
RGB	133, 191, 0
RGB Percent	52%, 75%, 0%
CMY	0.4784, 0.2510, 0.9999
CMYK	0.30, 0.00, 1.00, 0.25
HSL	78°, 100%, 37%
HSV	78°, 100%, 75%
XYZ	28.3037, 42.2481, 6.6629
YIQ	151.8840, 26.7430, -71.6970

Conversions

Conversions Part 2

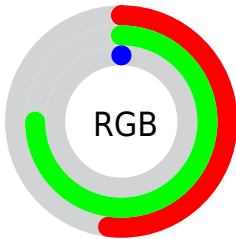
Format	Color
RYB	0, 191, 58
Decimal	8765184
CIELab	71.04, -41.29, 71.26
CIELCh	71, 82.356, 120.089
Yxy	42.2481, 0.3666, 0.5472
Android (android.graphics.Color)	4286955264 (0xFF85BF00)
YUV	151.8840, -74.8788, -16.5613
Hunter-Lab	64.9985, -36.0194, 39.4213

Details

The XYZ color **28.3037, 42.2481, 6.6629** is a dark color, and the websafe version is hex **99CC00**. A complement of this color would be **11.1509, 4.6624, 49.6048**, and the grayscale version is **30.1018, 31.6694, 34.4880**.

A 20% lighter version of the original color is **56.5012, 78.7904, 19.8195**, and **11.9262, 19.4278, 3.1214** is the 20% darker color. If you saturate the color by 10%, you get **28.3036, 42.2494, 6.6632**, and if you desaturate by 10%, it is **29.3645, 42.7827, 7.3317**.

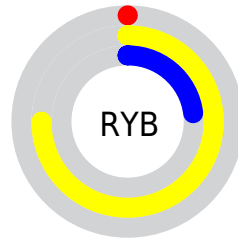
Distribution



Red (52%)

Green (75%)

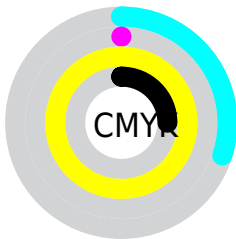
Blue (0%)



Red (0%)

Yellow (75%)

Blue (23%)

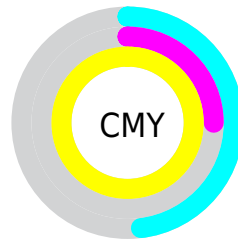


Cyan (30%)

Magenta (0%)

Yellow (100%)

Black (25%)



Cyan (48%)


Magenta (25%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.3037, 42.2481, 6.6629 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 28.3037, 42.2481, 6.6629 by changing the saturation by 10% instead.


 28.3037, 42.2481,
6.6629


 28.3037, 42.2481,
6.6629


285.9691,
355.5104, 174.3558


 18.6963, 29.2956,
3.1770


 56.3742, 78.5750,
19.7930


 11.5538, 19.3046,
1.1857


 75.5681, 102.7182,
30.2742

 6.5106, 11.8906,
0.0000


 98.6881, 131.3603,
43.9242

 3.2016, 6.6692,
0.0000

 126.0998,
164.8859, 61.1616

 1.2612, 3.2561,
0.0000

 158.1683,
203.6794, 82.4049

 0.1539, 1.2668,
0.0000

 195.2592,

 0.0000, 0.1153,

248.1250, 108.0727

0.0000

237.7376,
298.6072, 138.5835

■ 0.0000, 0.0000,
0.0000

■ 28.3037, 42.2481,
6.6629

■ 28.3037, 42.2481,
6.6629

■ 28.3036, 42.2494,
6.6632

■ 29.3645, 42.7827,
7.3317

■ 30.5921, 43.3884,
8.6148

■ 32.0302, 44.0843,
10.7339

■ 33.7007, 44.8793,
13.8008

■ 35.6223, 45.7810,
17.9103

■ 37.8117, 46.7960,
23.1455

■ 40.2835, 47.9305,
29.5812

■ 43.0517, 49.1898,
37.2858

■ 46.1287, 50.5793,
46.3225

Harmonies

Analogous

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



40.1147, 42.2481, 4.2261



28.3037, 42.2481, 6.6629



21.3188, 42.2481, 17.6278

Triad

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



28.3037, 42.2481, 6.6629



28.3598, 42.2481, 147.8236



72.8288, 42.2481, 45.8840

Complementary

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



28.3037, 42.2481, 6.6629



11.1509, 4.6624, 49.6048

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.



67.7149, 42.2481, 95.0434



28.3037, 42.2481, 6.6629



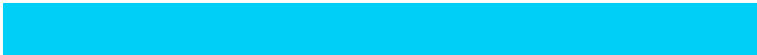
40.1964, 42.2481, 170.8971

Square

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



28.3037, 42.2481, 6.6629



21.3456, 42.2481, 95.3727



54.9253, 42.2481, 147.5688



67.6570, 42.2481, 17.5210

Rectangle

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



28.3037, 42.2481, 6.6629



19.3332, 42.2481, 34.1580



54.9253, 42.2481, 147.5688



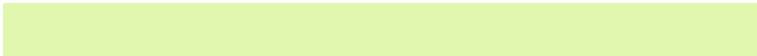
72.2434, 42.2481, 60.3067

Sweetspot

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



28.3047, 42.2500, 6.6638



71.9179, 85.7361, 52.3670



22.9657, 14.0344, 1.4990



15.3660, 18.6315, 10.3696



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



28.3047, 42.2500, 6.6638



50.4311, 75.5322, 11.9212



19.4391, 37.6796, 6.2489



10.0325, 10.9712, 10.1655



18.6847, 27.8082, 4.3827



0.7954, 1.1220, 0.1746

Inverse Universe

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



11.1509, 4.6624, 49.6048



19.7538, 8.2378, 88.8281



22.5051, 10.5157, 50.1362



9.2817, 9.3621, 11.9901



7.3999, 3.1009, 32.6014



0.3584, 0.1568, 1.2802

Previews

White Background



This preview shows how the XYZ color 28.3037, 42.2481, 6.6629 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 28.3037, 42.2481, 6.6629 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 28.3037, 42.2481, 6.6629

Background



This preview shows how black text looks on a background with the XYZ color 28.3037, 42.2481, 6.6629.



This preview shows how white text looks on a background with the XYZ color 28.3037, 42.2481,

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
28.3037, 42.2481, 6.6629
Protanopia
37.6417, 41.8742, 6.0986
Deuteranopia
42.5073, 41.5837, 7.4551



Tritanopia

38.1973, 42.2259, 56.0064

Trichromacy



Original Color

28.3037, 42.2481, 6.6629

Protanomaly

33.3345, 41.4132, 6.2366

Deuteranomaly

35.7842, 40.8988, 6.8188

Tritanomaly

31.9479, 41.2014, 24.6812

Monochromacy



Original Color

28.3037, 42.2481, 6.6629

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

27.4709, 34.1552, 16.4540

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.3037, 42.2481, 6.6629 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(133, 191, 0)` looks like.

```
.text, #text, p{  
    color:rgb(133, 191, 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(133, 191, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 191, 0) }
```

Border

The CSS property to change the border of an element to XYZ 28.3037, 42.2481, 6.6629 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(133, 191, 0) }
```


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

```
.border{ border-color:rgb(133, 191, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 191, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 191, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 191, 0);  
box-shadow:4px 4px 4px 4px rgb(133, 191,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 28.3037, 42.2481, 6.6629 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 191, 0) }
```

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

```
.background{ background-color: rgb(133,  
191, 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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