

Converting Colors

XYZ(16.5142, 29.2481, 0.4367)

Have a look what the booklet for
XYZ(16.5142, 29.2481, 0.4367)
contains.

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Color

**XYZ(17.2984, 29.4313,
4.7691)**

Conversions

Conversions Part 1

Format	Color
Hex	52A700
RGB	82, 167, 0
RGB Percent	32%, 65%, 0%
CMY	0.6784, 0.3451, 0.9999
CMYK	0.51, 0.00, 1.00, 0.35
HSL	91°, 100%, 33%
HSV	91°, 100%, 65%
XYZ	17.2984, 29.4313, 4.7691
YIQ	122.5470, 2.9470, -69.9570

Conversions

Conversions Part 2

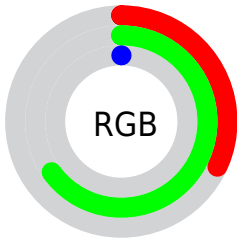
Format	Color
RYB	0, 167, 85
Decimal	5416704
CIELab	61.16, -49.24, 62.54
CIELCh	61, 79.592, 128.215
Yxy	29.4313, 0.3359, 0.5715
Android (android.graphics.Color)	4283606784 (0xFF52A700)
YUV	122.5470, -60.4157, -35.5597
Hunter-Lab	54.2506, -38.0219, 32.7633

Details

The XYZ color **17.2984, 29.4313, 4.7691** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **10.7236, 4.7227, 36.9073**, and the grayscale version is **18.8706, 19.8533, 21.6203**.

A 20% lighter version of the original color is **38.4389, 58.8452, 15.8109**, and **6.0924, 12.0733, 2.0093** is the 20% darker color. If you saturate the color by 10%, you get **17.2983, 29.4322, 4.7693**, and if you desaturate by 10%, it is **18.1836, 29.8772, 5.3272**.

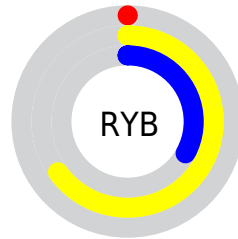
Distribution



Red (32%)

Green (65%)

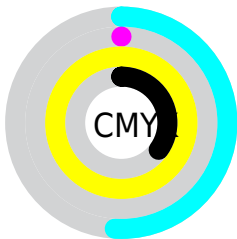
Blue (0%)



Red (0%)

Yellow (65%)

Blue (33%)

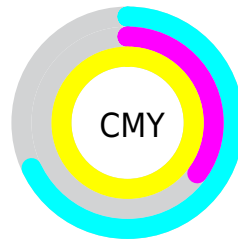


Cyan (51%)

Magenta (0%)

Yellow (100%)

Black (35%)



Cyan (68%)


Magenta (35%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 17.2984, 29.4313, 4.7691 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 17.2984, 29.4313, 4.7691 by changing the saturation by 10% instead.


 17.2984, 29.4313,
4.7691

 17.2984, 29.4313,
4.7691


230.0090,
299.2445, 156.4247


 10.5441, 19.4073,
2.0561


 38.3777, 58.7616,
15.7479


 5.8262, 11.9650,
0.5894


 53.4333, 78.8368,
24.8508


 2.7793, 6.7198,
0.0000


 71.9868, 103.0312,
36.9207

 1.0382, 3.2875,
0.0000

 94.4034, 131.7291,
52.3762

 0.0000, 1.2836,
0.0000

 121.0486,
165.3150, 71.6358

 0.0000, 0.1285,
0.0000


 152.2877,


 0.0000, 0.0000,


204.1733, 95.1180


0.0000


 188.4861,
248.6883, 123.2415


 17.2984, 29.4313,
4.7691


 17.2984, 29.4313,
4.7691


 17.2983, 29.4322,
4.7693

 18.1836, 29.8772,
5.3272

 19.2455, 30.4036,
6.3237

 20.5217, 31.0271,
7.9380

 22.0300, 31.7551,
10.2497

 23.7862, 32.5941,
13.3264

■ 25.8041, 33.5501,
17.2277

■ 28.0965, 34.6285,
22.0075

■ 30.6752, 35.8342,
27.7149

■ 33.5512, 37.1720,
34.3955

Harmonies

Analogous

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



25.2011, 29.4313, 2.1742



17.2984, 29.4313, 4.7691



13.1619, 29.4313, 15.0884

Triad

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



17.2984, 29.4313, 4.7691



21.1625, 29.4313, 120.6201



52.9303, 29.4313, 24.5101

Complementary

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



17.2984, 29.4313, 4.7691



10.7236, 4.7227, 36.9073

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.



51.0734, 29.4313, 58.4823



17.2984, 29.4313, 4.7691



30.9423, 29.4313, 129.3337

Square

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



17.2984, 29.4313, 4.7691



14.9752, 29.4313, 82.4187



42.3271, 29.4313, 101.8074



46.9057, 29.4313, 8.0091

Rectangle

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



17.2984, 29.4313, 4.7691



12.3188, 29.4313, 30.2869



42.3271, 29.4313, 101.8074



53.2312, 29.4313, 33.8713

Sweetspot

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



17.2991, 29.4326, 4.7697



50.0768, 61.9020, 38.8968



19.0696, 14.4807, 1.7904



10.8227, 13.6724, 7.8921



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.



17.2991, 29.4326, 4.7697



30.7418, 52.5866, 8.5300



13.8196, 27.6388, 4.6069



7.7743, 8.5817, 8.0360



13.2926, 22.5498, 3.6520



0.3826, 0.5792, 0.0916

Inverse Universe

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



10.7236, 4.7227, 36.9073



18.9641, 8.3333, 66.0842



22.9126, 11.0064, 37.4777



7.4822, 7.4812, 9.4680



8.2616, 3.6424, 28.2431



0.2599, 0.1190, 0.6899

Previews

White Background



This preview shows how the XYZ color 17.2984, 29.4313, 4.7691 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 17.2984, 29.4313, 4.7691 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

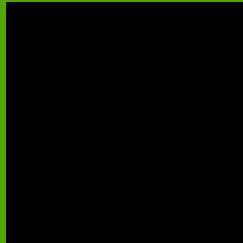
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 17.2984, 29.4313, 4.7691

Background



This preview shows how black text looks on a background with the XYZ color 17.2984, 29.4313, 4.7691.



This preview shows how white text looks on a background with the XYZ color 17.2984, 29.4313,

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

17.2984, 29.4313, 4.7691

Protanopia

26.1596, 28.9744, 4.2139

Deuteranopia

29.5289, 28.8950, 5.5343



Tritanopia

24.6149, 29.2731, 41.3987

Trichromacy



Original Color

17.2984, 29.4313, 4.7691

Protanomaly

21.5473, 28.2621, 4.3195

Deuteranomaly

23.1050, 27.8487, 4.9166

Tritanomaly

19.9817, 28.3992, 18.3384

Monochromacy



Original Color

17.2984, 29.4313, 4.7691

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

16.7921, 22.2034, 10.6084

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.2984, 29.4313, 4.7691 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(82, 167, 0)` looks like.

```
.text, #text, p{  
    color:rgb(82, 167, 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(82, 167, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 167, 0) }
```

Border

The CSS property to change the border of an element to XYZ 17.2984, 29.4313, 4.7691 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(82, 167, 0) }
```


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

```
.border{ border-color:rgb(82, 167, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 167, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 167, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 167, 0);  
box-shadow:4px 4px 4px 4px rgb(82, 167, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 17.2984, 29.4313, 4.7691 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 167, 0) }
```

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

```
.background{ background-color: rgb(82, 167,  
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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