

Converting Colors

XYZ(29.6383, 16.8011, 65.4332)

Have a look what the booklet for
XYZ(29.6383, 16.8011, 65.4332)
contains.

XYZ(29.6029, 16.7508, 65.2913)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(29.6029, 16.7508,
65.2913)**

Conversions

Conversions Part 1

Format	Color
Hex	A542D6
RGB	165, 66, 214
RGB Percent	65%, 26%, 84%
CMY	0.3529, 0.7412, 0.1608
CMYK	0.23, 0.69, 0.00, 0.16
HSL	280°, 64%, 55%
HSV	280°, 69%, 84%
XYZ	29.6029, 16.7508, 65.2913
YIQ	112.4730, 11.4960, 67.0160

Conversions

Conversions Part 2

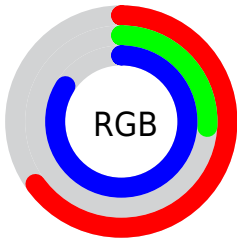
Format	Color
RYB	165, 66, 214
Decimal	10830550
CIELab	47.94, 63.30, -58.40
CIELCh	48, 86.128, 317.304
Yxy	16.7508, 0.2652, 0.1500
Android (android.graphics.Color)	4289020630 (0xFFA542D6)
YUV	112.4730, 50.0528, 46.0662
Hunter-Lab	40.9277, 57.4849, -65.9349

Details

The XYZ color **29.6029, 16.7508, 65.2913** is a light color, and the websafe version is hex **9933CC**. The color can be described as light muted purple. A complement of this color would be **32.1004, 52.1316, 13.5252**, and the grayscale version is **15.3958, 16.1975, 17.6391**.

A 20% lighter version of the original color is **55.6278, 36.7420, 98.7678**, and **12.3559, 5.6568, 32.7884** is the 20% darker color. If you saturate the color by 10%, you get **27.1453, 13.9624, 64.8829**, and if you desaturate by 10%, it is **32.6111, 20.5175, 65.8601**.

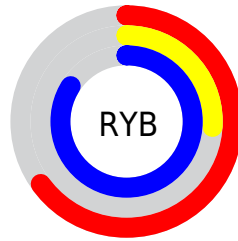
Distribution



Red (65%)

Green (26%)

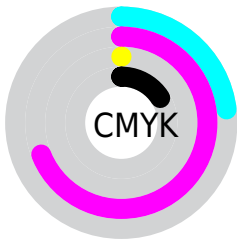
Blue (84%)



Red (65%)

Yellow (26%)

Blue (84%)

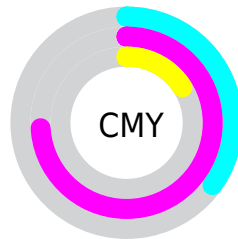


Cyan (23%)

Magenta (69%)

Yellow (0%)

Black (16%)



Cyan (35%)

Magenta (74%)

Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.6029, 16.7508, 65.2913 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 29.6029, 16.7508, 65.2913 by changing the saturation by 10% instead.

■ 29.6029, 16.7508,
65.2913

■ 29.6029, 16.7508,
65.2913

291.9922,
233.7322, 462.1729

■ 19.6839, 10.0570,
47.2445

■ 58.4246, 37.8968,
114.0858

■ 12.2724, 5.4368,
32.8732

■ 78.0580, 53.1178,
145.6706

■ 7.0030, 2.5057,
21.7590

■ 101.6603, 71.9500,
182.6052

■ 3.5103, 0.8795,
13.4833

■ 129.5968, 94.7777,
225.3080

■ 1.4290, 0.0000,
7.6276

■ 162.2329,
121.9854, 274.1976

■ 0.2768, 0.0000,
3.7732

199.9339,

■ 0.0000, 0.0000,

153.9574, 329.6926

1.5018

243.0653,
191.0782, 392.2115

■ 0.0000, 0.0000,
0.2193

■ 0.0000, 0.0000,
0.0000

■ 29.6029, 16.7508,
65.2913

■ 29.6029, 16.7508,
65.2913

■ 27.1453, 13.9624,
64.8829

■ 32.6111, 20.5175,
65.8601

■ 25.1796, 12.0393,
64.6153

■ 36.2156, 25.3546,
66.6038

■ 23.6148, 10.8008,
64.4587

■ 40.4596, 31.3458,
67.5365

■ 23.4915, 10.7082,
64.4474

■ 45.3813, 38.5654,
68.6706

■ 51.0155, 47.0817,
70.0175

■ 57.3948, 56.9576,
71.5875

■ 64.5493, 68.2522,
73.3905

■ 72.5076, 81.0206,
75.4356

■ 80.1365, 92.9948,
77.3448

Harmonies

Analogous

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



20.7860, 16.7508, 97.0557



29.6029, 16.7508, 65.2913



35.3713, 16.7508, 29.3385

Triad

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



29.6029, 16.7508, 65.2913



19.4319, 16.7508, 0.0000



5.4998, 16.7508, 34.1361

Complementary

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



29.6029, 16.7508, 65.2913



32.1004, 52.1316, 13.5252

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.



5.3483, 16.7508, 10.3650



29.6029, 16.7508, 65.2913



11.8816, 16.7508, 0.0303

Square

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



29.6029, 16.7508, 65.2913



28.3383, 16.7508, 1.4084



7.2780, 16.7508, 1.8967



7.7933, 16.7508, 71.1449

Rectangle

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



29.6029, 16.7508, 65.2913



35.7881, 16.7508, 13.3263



7.2780, 16.7508, 1.8967



5.2314, 16.7508, 24.2307

Sweetspot

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



29.6037, 16.7514, 65.2917



74.0574, 67.2546, 103.6859



20.5537, 18.3515, 66.0775



15.3412, 13.6211, 22.0705



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



29.6037, 16.7514, 65.2917



38.9171, 19.2788, 96.2778



38.9017, 21.8816, 50.5077



12.5350, 12.4172, 15.6736



14.3132, 6.5312, 38.9594



0.9491, 0.4382, 2.3539

Inverse Universe

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



32.7746, 19.4308, 18.2429



45.1211, 24.2151, 18.0432



28.1677, 50.0013, 17.9895



12.5911, 12.4879, 13.7871



17.4896, 8.9322, 4.6163



1.0927, 0.5539, 0.4774

Previews

White Background



This preview shows how the XYZ color 29.6029, 16.7508, 65.2913 looks on a white background.

Color Contrast Check

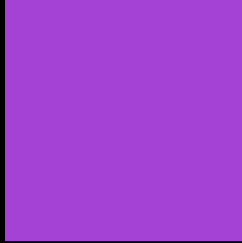
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 29.6029, 16.7508, 65.2913 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

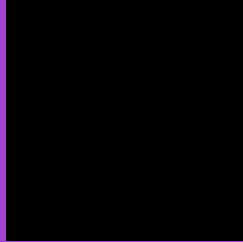
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 29.6029, 16.7508, 65.2913

Background



This preview shows how black text looks on a background with the XYZ color 29.6029, 16.7508, 65.2913.



This preview shows how white text looks on a background with the XYZ color 29.6029, 16.7508,

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

29.6029, 16.7508, 65.2913

Protanopia

20.2839, 17.0351, 79.3098

Deuteranopia

17.5741, 17.0580, 60.1239



Tritanopia

19.5732, 16.6860, 16.3765

Trichromacy



Original Color

29.6029, 16.7508, 65.2913



Protanomaly

19.5936, 14.4571, 73.7093



Deuteranomaly

18.5005, 14.7059, 61.5379



Tritanomaly

22.0826, 15.9561, 29.5197

Monochromacy



Original Color

29.6029, 16.7508, 65.2913



Achromatopsia

15.4009, 16.2029, 17.6450



Achromatomaly

18.8771, 15.1796, 30.3688

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.6029, 16.7508, 65.2913 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(165, 66, 214)` looks like.

```
.text, #text, p{  
    color:rgb(165, 66, 214)  
}
```

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(165, 66, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 66, 214) }
```

Border

The CSS property to change the border of an element to XYZ 29.6029, 16.7508, 65.2913 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(165, 66, 214) }
```


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

```
.border{ border-color:rgb(165, 66, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 66, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 66, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 66, 214);  
box-shadow:4px 4px 4px 4px rgb(165, 66,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 29.6029, 16.7508, 65.2913 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 66, 214) }
```

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

```
.background{ background-color: rgb(165, 66,  
214) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor