

Converting Colors

XYZ(27.2579, 17.4237, 65.1120)

Have a look what the booklet for
XYZ(27.2579, 17.4237, 65.1120)
contains.

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Color

**XYZ(27.2914, 17.5041,
64.8910)**

Conversions

Conversions Part 1

Format	Color
Hex	9355D5
RGB	147, 85, 213
RGB Percent	58%, 33%, 84%
CMY	0.4235, 0.6667, 0.1647
CMYK	0.31, 0.60, 0.00, 0.16
HSL	269°, 60%, 58%
HSV	269°, 60%, 84%
XYZ	27.2914, 17.5041, 64.8910
YIQ	118.1300, -4.1360, 52.9520

Conversions

Conversions Part 2

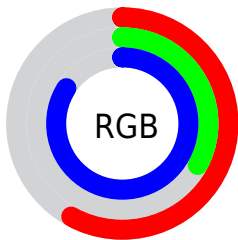
Format	Color
R_{YB}	147, 85, 213
Decimal	9655765
CIE _{Lab}	48.89, 50.17, -56.43
CIE _{LCh}	49, 75.506, 311.638
Yxy	17.5041, 0.2488, 0.1596
Android (android.graphics.Color)	4287845845 (0xFF9355D5)
YUV	118.1300, 46.7709, 25.3190
Hunter-Lab	41.8379, 43.2215, -62.6728

Details

The XYZ color **27.2914, 17.5041, 64.8910** is a light color, and the websafe version is hex **9966FF**. The color can be described as light muted purple. A complement of this color would be **38.1964, 54.8238, 17.1636**, and the grayscale version is **17.1203, 18.0119, 19.6149**.

A 20% lighter version of the original color is **51.8975, 37.9487, 99.1973**, and **10.9722, 5.8025, 32.4400** is the 20% darker color. If you saturate the color by 10%, you get **23.9837, 13.6733, 64.3263**, and if you desaturate by 10%, it is **31.2933, 22.4421, 65.6336**.

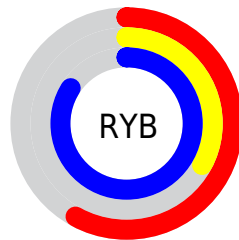
Distribution



Red (58%)

Green (33%)

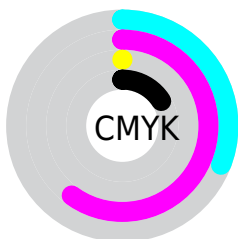
Blue (84%)



Red (58%)

Yellow (33%)

Blue (84%)

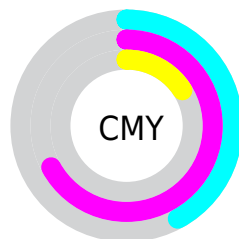


Cyan (31%)

Magenta (60%)

Yellow (0%)

Black (16%)



Cyan (42%)

Magenta (67%)

Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.2914, 17.5041, 64.8910 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 27.2914, 17.5041, 64.8910 by changing the saturation by 10% instead.

27.2914, 17.5041,
64.8910

27.2914, 17.5041,
64.8910

281.2072,
238.0608, 460.6957

17.9299, 10.5946,
46.9219

54.7677, 39.1905,
113.5049

10.9991, 5.7949,
32.6200

73.6132, 54.7361,
144.9868

6.1335, 2.7208,
21.5668

96.3508, 73.9292,
181.8101

2.9679, 0.9878,
13.3437

123.3459, 97.1542,
224.3932

1.1368, 0.0000,
7.5321

154.9636,
124.7955, 273.1548

0.0556, 0.0000,
3.7136

191.5695,

0.0000, 0.0000,

157.2374, 328.5134

1.4696

233.5289,
194.8644, 390.8875

■ 0.0000, 0.0000,
0.1951

■ 0.0000, 0.0000,
0.0000

■ 27.2914, 17.5041,
64.8910

■ 27.2914, 17.5041,
64.8910

■ 23.9837, 13.6733,
64.3263

■ 31.2933, 22.4421,
65.6336

■ 21.3157, 10.8516,
63.9222

■ 36.0330, 28.5703,
66.5666

■ 19.2271, 8.9254,
63.6605

■ 41.5531, 35.9653,
67.7030

■ 17.6240, 7.6981,
63.5081

■ 47.8920, 44.6970,
69.0543

■ 55.0851, 54.8298,
70.6310

■ 63.1658, 66.4239,
72.4430

■ 72.1656, 79.5361,
74.4996

■ 81.9860, 93.9630,
76.7667

■ 85.7222, 95.8890,
76.9415

Harmonies

Analogous

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



19.5059, 17.5041, 87.3434



27.2914, 17.5041, 64.8910



32.9815, 17.5041, 33.9830

Triad

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



27.2914, 17.5041, 64.8910



21.2530, 17.5041, 0.8830



6.6219, 17.5041, 27.9513

Complementary

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



27.2914, 17.5041, 64.8910



38.1964, 54.8238, 17.1636

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.



6.8457, 17.5041, 9.3041



27.2914, 17.5041, 64.8910



14.0644, 17.5041, 0.7227

Square

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



27.2914, 17.5041, 64.8910



28.8754, 17.5041, 3.1984



9.1944, 17.5041, 2.3201



8.4622, 17.5041, 57.9139

Rectangle

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



27.2914, 17.5041, 64.8910



34.0672, 17.5041, 17.9771



9.1944, 17.5041, 2.3201



6.4761, 17.5041, 20.1834

Sweetspot

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



27.2922, 17.5047, 64.8914



73.9378, 69.9145, 104.2056



26.8450, 28.9120, 67.1168



15.1829, 14.0677, 22.1651



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.



27.2922, 17.5047, 64.8914



34.8930, 19.2856, 96.4912



42.0849, 25.1307, 65.5837



12.3094, 12.3009, 15.6631



10.8824, 4.7626, 38.7989



0.7517, 0.3364, 2.3446

Inverse Universe

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



36.2752, 22.8778, 31.7815



50.4077, 28.5731, 38.9662



29.3772, 50.2774, 16.7508



12.6879, 12.5267, 14.2967



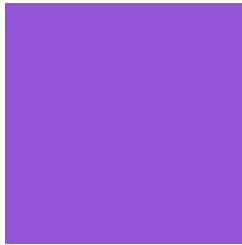
18.5272, 9.3472, 10.0801



1.1592, 0.5805, 0.8279

Previews

White Background



This preview shows how the XYZ color 27.2914, 17.5041, 64.8910 looks on a white background.

Color Contrast Check

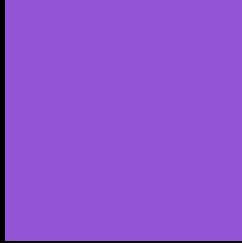
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.2914, 17.5041, 64.8910 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

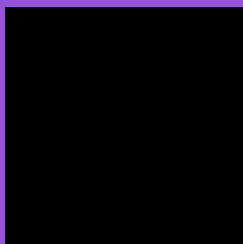
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 27.2914, 17.5041, 64.8910

Background



This preview shows how black text looks on a background with the XYZ color 27.2914, 17.5041, 64.8910.



This preview shows how white text looks on a background with the XYZ color 27.2914, 17.5041,

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

27.2914, 17.5041, 64.8910

Protanopia

21.2268, 17.7614, 83.1984

Deuteranopia

18.2787, 17.7532, 60.8558



Tritanopia

18.1279, 17.3921, 20.1709

Trichromacy



Original Color

27.2914, 17.5041, 64.8910



Protanomaly

20.3624, 15.9168, 76.1278



Deuteranomaly

19.5643, 16.4074, 62.4574



Tritanomaly

20.7374, 17.0701, 32.7737

Monochromacy



Original Color

27.2914, 17.5041, 64.8910



Achromatopsia

17.2197, 18.1164, 19.7288



Achromatomaly

19.9571, 17.2751, 32.4196

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.2914, 17.5041, 64.8910 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(147, 85, 213)` looks like.

```
.text, #text, p{  
    color:rgb(147, 85, 213)  
}
```

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(147, 85, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 85, 213) }
```

Border

The CSS property to change the border of an element to XYZ 27.2914, 17.5041, 64.8910 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(147, 85, 213) }
```


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

```
.border{ border-color:rgb(147, 85, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 85, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 85, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 85, 213);  
box-shadow:4px 4px 4px 4px rgb(147, 85,  
213) }
```

Background

The CSS property to change the background color of an element to XYZ 27.2914, 17.5041, 64.8910 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 85, 213) }
```

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

```
.background{ background-color: rgb(147, 85,  
213) }
```

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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