

# Converting Colors

XYZ(47.9750, 29.6677, 95.3898)

Have a look what the booklet for  
XYZ(47.9750, 29.6677, 95.3898)  
contains.

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# Color

**XYZ(47.9565, 29.6010,  
95.2814)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CF65FC
RGB	207, 101, 252
RGB Percent	81%, 40%, 99%
CMY	0.1882, 0.6039, 0.0118
CMYK	0.18, 0.60, 0.00, 0.01
HSL	282°, 96%, 69%
HSV	282°, 60%, 99%
XYZ	47.9565, 29.6010, 95.2814
YIQ	149.9080, 14.7050, 69.4330

# Conversions

## Conversions Part 2

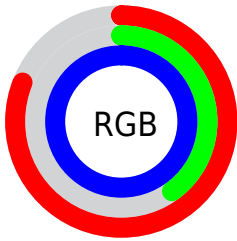
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	207, 101, 252
Decimal	13592060
CIE Lab	61.31, 64.83, -58.01
CIE LCh	61, 86.991, 318.177
Yxy	29.6010, 0.2775, 0.1713
Android (android.graphics.Color)	4291782140 (0xFFCF65FC)
YUV	149.9080, 50.3314, 50.0697
Hunter-Lab	54.4068, 62.1257, -65.7485

# Details

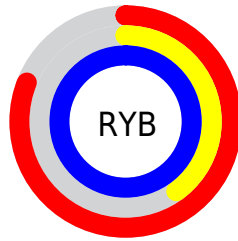
The XYZ color **47.9565, 29.6010, 95.2814** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **49.0141, 76.6720, 24.5288**, and the grayscale version is **28.7407, 30.2375, 32.9286**.

A 20% lighter version of the original color is **71.3470, 52.5939, 100.9990**, and **23.1086, 12.0574, 52.7391** is the 20% darker color. If you saturate the color by 10%, you get **43.8259, 24.3798, 94.4918**, and if you desaturate by 10%, it is **52.9391, 36.3756, 96.3269**.

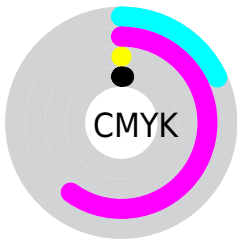
# Distribution



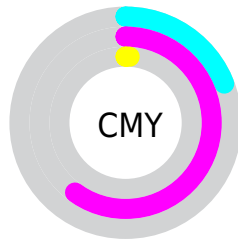
- Red (81%)
- Green (40%)
- Blue (99%)



- Red (81%)
- Yellow (40%)
- Blue (99%)



- Cyan (18%)
- Magenta (60%)
- Yellow (0%)
- Black (1%)




- Cyan (19%)
- Magenta (60%)
- Yellow (1%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 47.9565, 29.6010, 95.2814 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 47.9565, 29.6010, 95.2814 by changing the saturation by 10% instead.




 47.9565, 29.6010,  
95.2814

 47.9565, 29.6010,  
95.2814

369.2051,  
300.0402, 566.0728


 34.0035, 19.5359,  
71.7710


 86.3497, 59.0306,  
156.6522


 23.0592, 12.0582,  
52.4860


 111.5207, 79.1639,  
195.3498

 14.7582, 6.7833,  
37.0077


 141.1617,  
103.4221, 239.9468

 8.7351, 3.3270,  
24.9176

 175.6382,  
132.1896, 290.8618

 4.6245, 1.3047,  
15.7972

215.3154,  
165.8508, 348.5134

 2.0611, 0.1448,  
9.2280

260.5587,

 0.6680, 0.0000,

204.7900, 413.3200

4.7913

311.7335,  
249.3917, 485.7003

■ 0.0000, 0.0000,  
2.0688

■ 0.0000, 0.0000,  
0.5971

■ 47.9565, 29.6010,  
95.2814

■ 47.9565, 29.6010,  
95.2814

■ 43.8259, 24.3798,  
94.4918

■ 52.9391, 36.3756,  
96.3269

■ 40.4713, 20.5658,  
93.9324

■ 58.8335, 44.8249,  
97.6471

■ 37.8079, 17.9899,  
93.5756

■ 65.6979, 55.0620,  
99.2613

■ 35.6962, 16.3756,  
93.3753

■ 73.5843, 67.1892,  
101.1864

■ 35.6802, 16.3640,  
93.3739

■ 82.5409, 81.3006,  
103.4381

■ 92.6124, 97.4843,  
106.0311

■ 94.5708, 99.8083,  
106.3764

# Harmonies

## Analogous

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



35.5834, 29.6010, 137.0475



47.9565, 29.6010, 95.2814



55.6818, 29.6010, 46.9664

# Triad

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



47.9565, 29.6010, 95.2814



32.8954, 29.6010, 1.5189



11.9632, 29.6010, 56.1956

# Complementary

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



47.9565, 29.6010, 95.2814



49.0141, 76.6720, 24.5288

# 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.



11.6093, 29.6010, 20.9526



47.9565, 29.6010, 95.2814



21.8058, 29.6010, 1.7675

# Square

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



47.9565, 29.6010, 95.2814



45.5344, 29.6010, 4.3678



14.7020, 29.6010, 5.8068



15.8510, 29.6010, 105.8354



# Rectangle

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



47.9565, 29.6010, 95.2814



56.0665, 29.6010, 24.0626



14.7020, 29.6010, 5.8068



11.4749, 29.6010, 42.0645

# Sweetspot

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



47.9577, 29.6022, 95.2821



77.2605, 71.6274, 104.3611



33.2637, 30.4465, 96.2195



15.9951, 14.4865, 22.2031



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.



47.9577, 29.6022, 95.2821



44.2247, 24.0963, 96.9279



57.9573, 35.2669, 72.7201



17.4599, 17.2497, 21.7946



18.7416, 8.6043, 48.6466



1.8424, 0.8519, 4.5105



# Inverse Universe

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



49.9876, 32.0790, 30.7520



47.2920, 27.3268, 22.5592



44.2884, 74.0323, 33.5004



17.4574, 17.3103, 18.9986



21.6315, 11.0683, 4.7677

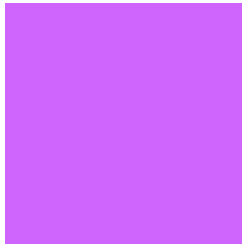


2.0479, 1.0429, 0.6759



# Previews

## White Background



This preview shows how the XYZ color 47.9565, 29.6010, 95.2814 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

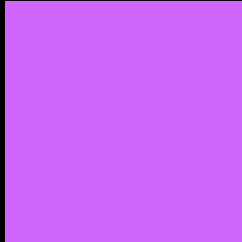
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the XYZ color 47.9565, 29.6010, 95.2814 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

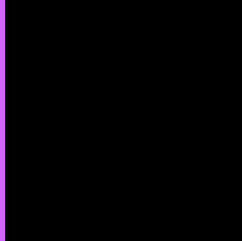
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 47.9565, 29.6010, 95.2814**

## **Background**



This preview shows how black text looks on a background with the XYZ color 47.9565, 29.6010, 95.2814.



This preview shows how white text looks on a background with the XYZ color 47.9565, 29.6010,



# 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

47.9565, 29.6010, 95.2814

### Protanopia

33.2124, 30.0675, 98.6609

### Deuteranopia

30.9496, 30.0407, 88.9612



## Tritanopia

34.3690, 29.4027, 29.4550

# Trichromacy



## Original Color

47.9565, 29.6010, 95.2814



## Protanomaly

36.2209, 28.2595, 97.3115



## Deuteranomaly

34.2459, 27.9816, 90.7848



## Tritanomaly

38.0458, 28.7879, 47.8074

# Monochromacy



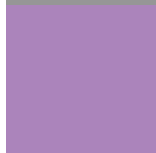
## Original Color

47.9565, 29.6010, 95.2814



## Achromatopsia

28.9890, 30.4987, 33.2131



## Achromatomaly

34.0155, 28.7483, 50.7699

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 47.9565, 29.6010, 95.2814 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(207, 101, 252)` looks like.

```
.text, #text, p{  
    color:rgb(207, 101, 252)  
}
```

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(207, 101, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 101, 252) }
```

## Border

The CSS property to change the border of an element to XYZ 47.9565, 29.6010, 95.2814 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(207, 101, 252) }
```



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

```
.border{ border-color:rgb(207, 101, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 101, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 101, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 101, 252);  
box-shadow:4px 4px 4px 4px rgb(207, 101,  
252) }
```

# Background

The CSS property to change the background color of an element to XYZ 47.9565, 29.6010, 95.2814 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 101, 252) }
```

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

```
.background{ background-color: rgb(207,  
101, 252) }
```

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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