

Converting Colors

XYZ(47.3781, 27.8297, 97.0199)

Have a look what the booklet for
XYZ(47.3781, 27.8297, 97.0199)
contains.

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Color

**XYZ(47.2777, 27.7335,
96.6272)**

Conversions

Conversions Part 1

Format	Color
Hex	CF5AFE
RGB	207, 90, 254
RGB Percent	81%, 35%, 100%
CMY	0.1882, 0.6470, 0.0039
CMYK	0.19, 0.65, 0.00, 0.00
HSL	283°, 99%, 67%
HSV	283°, 65%, 100%
XYZ	47.2777, 27.7335, 96.6272
YIQ	143.6790, 17.0880, 75.8080

Conversions

Conversions Part 2

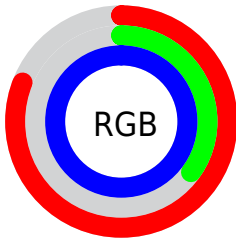
Format	Color
R _Y B	207, 90, 254
Decimal	13589246
CIE Lab	59.65, 70.10, -61.77
CIE LCh	60, 93.431, 318.615
Yxy	27.7335, 0.2754, 0.1616
Android (android.graphics.Color)	4291779326 (0xFFCF5AFE)
YUV	143.6790, 54.3883, 55.5325
Hunter-Lab	52.6626, 68.0883, -71.9236

Details

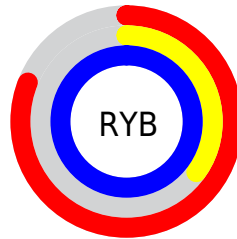
The XYZ color **47.2777, 27.7335, 96.6272** is a light color, and the websafe version is hex **CC66FF**. The color can be described as light muted magenta. A complement of this color would be **47.6045, 76.9408, 22.0158**, and the grayscale version is **26.1653, 27.5279, 29.9779**.

A 20% lighter version of the original color is **69.7237, 49.3474, 100.4579**, and **22.5242, 10.9767, 53.1561** is the 20% darker color. If you saturate the color by 10%, you get **43.5028, 23.1324, 95.9385**, and if you desaturate by 10%, it is **51.8803, 33.8482, 97.5654**.

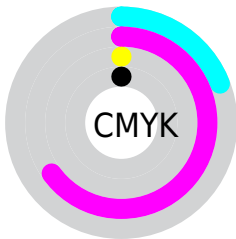
Distribution



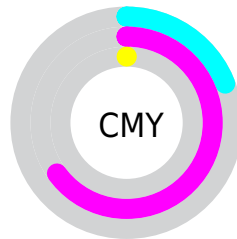
- Red (81%)
- Green (35%)
- Blue (100%)



- Red (81%)
- Yellow (35%)
- Blue (100%)



- Cyan (19%)
- Magenta (65%)
- Yellow (0%)
- Black (0%)



- Cyan (19%)
- Magenta (65%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.2777, 27.7335, 96.6272 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 47.2777, 27.7335, 96.6272 by changing the saturation by 10% instead.


 47.2777, 27.7335,
96.6272

 47.2777, 27.7335,
96.6272


366.5523,
291.1913, 570.4781

 33.4641, 18.1249,
72.8857


 85.3442, 56.0587,
158.5256


 22.6432, 11.0397,
53.3912

 110.3278, 75.5440,
197.5196

 14.4495, 6.0935,
37.7253


 139.7655, 99.0904,
242.4348

 8.5177, 2.9020,
25.4694

 174.0226,
127.0821, 293.6897

 4.4826, 1.0808,
16.2049

213.4645,
159.9037, 351.7030

 1.9786, 0.0000,
9.5134

258.4565,

 0.6219, 0.0000,

197.9395, 416.8931

4.9762

309.3640,
241.5739, 489.6787

■ 0.0000, 0.0000,
2.1748

■ 0.0000, 0.0000,
0.6598

■ 47.2777, 27.7335,
96.6272

■ 47.2777, 27.7335,
96.6272

■ 43.5028, 23.1324,
95.9385

■ 51.8803, 33.8482,
97.5654

■ 40.4727, 19.8848,
95.4714

■ 57.3754, 41.6082,
98.7736

■ 38.0914, 17.7995,
95.1944

■ 63.8249, 51.1343,
100.2723

■ 36.9947, 17.0049,
95.0988

■ 71.2840, 62.5348,
102.0797

79.8032, 75.9094,
104.2123

89.4297, 91.3505,
106.6853

94.8895, 99.9358,
108.0547

Harmonies

Analogous

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



34.2745, 27.7335, 142.8965



47.2777, 27.7335, 96.6272



55.3976, 27.7335, 44.9049

Triad

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



47.2777, 27.7335, 96.6272



31.0908, 27.7335, 0.7864



10.1892, 27.7335, 56.0092

Complementary

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



47.2777, 27.7335, 96.6272



47.6045, 76.9408, 22.0158

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.



9.8018, 27.7335, 19.1125



47.2777, 27.7335, 96.6272



19.7683, 27.7335, 0.9999

Square

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



47.2777, 27.7335, 96.6272



44.3577, 27.7335, 2.9881



12.7519, 27.7335, 4.4048



14.0379, 27.7335, 109.7436

Rectangle

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



47.2777, 27.7335, 96.6272



55.7103, 27.7335, 21.4823



12.7519, 27.7335, 4.4048



9.7038, 27.7335, 40.9978

Sweetspot

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



47.2789, 27.7346, 96.6278



76.5689, 70.3490, 104.1508



31.3684, 27.8538, 97.4894



15.8685, 14.2423, 22.1626



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.



47.2789, 27.7346, 96.6278



43.0777, 22.4173, 96.6643



57.6078, 33.6152, 71.9994



18.2557, 18.0235, 22.7667



19.6568, 9.0439, 50.1442



2.0218, 0.9362, 4.8874

Inverse Universe

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



49.0453, 30.1902, 26.9100



45.8759, 25.5880, 18.7165



43.2217, 74.4830, 30.7731



18.2234, 18.0727, 19.7935



22.2338, 11.3828, 4.6156



2.2095, 1.1262, 0.6848

Previews

White Background



This preview shows how the XYZ color 47.2777, 27.7335, 96.6272 looks on a white background.

Color Contrast Check

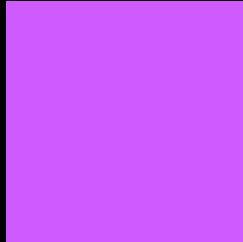
Large Text (above 18pt) WCAG AA ✓ Pass

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 47.2777, 27.7335, 96.6272 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

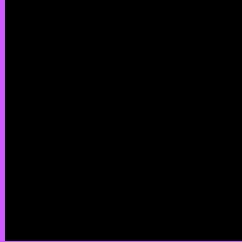
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 47.2777, 27.7335, 96.6272

Background



This preview shows how black text looks on a background with the XYZ color 47.2777, 27.7335, 96.6272.



This preview shows how white text looks on a background with the XYZ color 47.2777, 27.7335,

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

47.2777, 27.7335, 96.6272

Protanopia

31.4526, 28.0509, 98.3644

Deuteranopia

29.1270, 28.1602, 89.4882



Tritanopia

32.8203, 27.4898, 26.4979

Trichromacy



Original Color

47.2777, 27.7335, 96.6272



Protanomaly

34.3696, 25.9644, 97.8079



Deuteranomaly

32.1621, 25.5095, 92.0356



Tritanomaly

36.7060, 26.7604, 45.3501

Monochromacy



Original Color

47.2777, 27.7335, 96.6272



Achromatopsia

26.5089, 27.8894, 30.3716



Achromatomaly

31.7957, 26.0915, 48.7077

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.2777, 27.7335, 96.6272 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, 90, 254)` looks like.

```
.text, #text, p{  
    color:rgb(207, 90, 254)  
}
```

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, 90, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 90, 254) }
```

Border

The CSS property to change the border of an element to XYZ 47.2777, 27.7335, 96.6272 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, 90, 254) }
```


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

```
.border{ border-color:rgb(207, 90, 254) }
```

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

Here you see how a box with a 4 pixel rgb(207, 90, 254) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 90, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 90, 254);  
box-shadow:4px 4px 4px 4px rgb(207, 90,  
254) }
```

Background

The CSS property to change the background color of an element to XYZ 47.2777, 27.7335, 96.6272 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 90, 254) }
```

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

```
.background{ background-color: rgb(207, 90,  
254) }
```

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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