

Converting Colors

XYZ(45.2127, 24.8118, 96.5040)

Have a look what the booklet for
XYZ(45.2127, 24.8118, 96.5040)
contains.

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Color

**XYZ(45.1738, 24.7582,
96.1638)**

Conversions

Conversions Part 1

Format	Color
Hex	CC49FE
RGB	204, 73, 254
RGB Percent	80%, 29%, 100%
CMY	0.2000, 0.7137, 0.0039
CMYK	0.20, 0.71, 0.00, 0.00
HSL	283°, 99%, 64%
HSV	283°, 71%, 100%
XYZ	45.1738, 24.7582, 96.1638
YIQ	132.8030, 19.9750, 84.0630

Conversions

Conversions Part 2

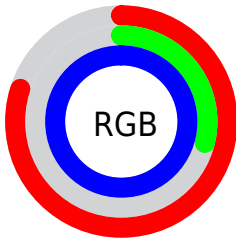
Format	Color
R _Y B	204, 73, 254
Decimal	13388286
CIE Lab	56.84, 76.24, -66.30
CIE LCh	57, 101.036, 318.987
Yxy	24.7582, 0.2720, 0.1491
Android (android.graphics.Color)	4291578366 (0xFFCC49FE)
YUV	132.8030, 59.7501, 62.4398
Hunter-Lab	49.7576, 74.9803, -79.7562

Details

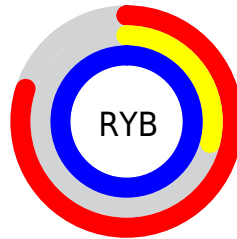
The XYZ color **45.1738, 24.7582, 96.1638** is a light color, and the websafe version is hex **CC33FF**. The color can be described as light washed magenta. A complement of this color would be **44.8133, 75.5761, 18.5298**, and the grayscale version is **22.0088, 23.1550, 25.2158**.

A 20% lighter version of the original color is **67.5413, 44.9825, 99.7304**, and **21.6409, 10.0053, 53.0152** is the 20% darker color. If you saturate the color by 10%, you get **41.9527, 21.1059, 95.6290**, and if you desaturate by 10%, it is **49.1645, 29.8187, 96.9307**.

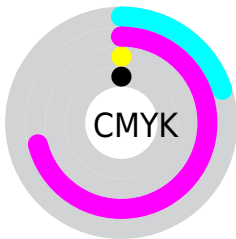
Distribution



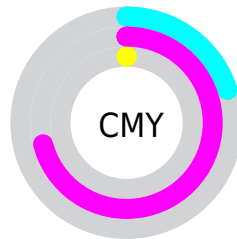
- Red (80%)
- Green (29%)
- Blue (100%)



- Red (80%)
- Yellow (29%)
- Blue (100%)



- Cyan (20%)
- Magenta (71%)
- Yellow (0%)
- Black (0%)




- Cyan (20%)
- Magenta (71%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.1738, 24.7582, 96.1638 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 45.1738, 24.7582, 96.1638 by changing the saturation by 10% instead.

 45.1738, 24.7582,
96.1638


 45.1738, 24.7582,
96.1638


358.2489,
276.6316, 568.9633


 31.7962, 15.8970,
72.5018


 82.2166, 51.2647,
157.8808


 21.3607, 9.4513,
53.0793


 106.6125, 69.6788,
196.7729


 13.5019, 5.0367,
37.4779


 135.4120, 92.0459,
241.5788

 7.8544, 2.2688,
25.2791

 168.9802,
118.7505, 292.7169

 4.0529, 0.7571,
16.0642

 207.6827,
150.1770, 350.6059

 1.7321, 0.0000,
9.4147

251.8847,

 0.4763, 0.0000,

186.7098, 415.6643

4.9122

301.9517,
228.7332, 488.3106

■ 0.0000, 0.0000,
2.1380

■ 0.0000, 0.0000,
0.6382

■ 45.1738, 24.7582,
96.1638

■ 45.1738, 24.7582,
96.1638

■ 41.9527, 21.1059,
95.6290

■ 49.1645, 29.8187,
96.9307

■ 39.4080, 18.6807,
95.2950

■ 53.9967, 36.4330,
97.9527

■ 37.6175, 17.3260,
95.1279

■ 59.7368, 44.7313,
99.2519

■ 66.4435, 54.8292,
100.8475

74.1700, 66.8318,
102.7570

82.9657, 80.8362,
104.9965

92.8764, 96.9327,
107.5811

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.



31.7243, 24.7582, 147.1549



45.1738, 24.7582, 96.1638



53.6179, 24.7582, 41.3952

Triad

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



45.1738, 24.7582, 96.1638



28.1442, 24.7582, 0.0000



7.9236, 24.7582, 54.1503

Complementary

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



45.1738, 24.7582, 96.1638



44.8133, 75.5761, 18.5298

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.



7.5344, 24.7582, 16.3404



45.1738, 24.7582, 96.1638



16.8874, 24.7582, 0.1719

Square

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



45.1738, 24.7582, 96.1638



41.8106, 24.7582, 1.6355



10.2152, 24.7582, 2.8355



11.5501, 24.7582, 111.8860

Rectangle

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



45.1738, 24.7582, 96.1638



53.8598, 24.7582, 18.0178



10.2152, 24.7582, 2.8355



7.4693, 24.7582, 38.4516

Sweetspot

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



45.1749, 24.7592, 96.1644



75.0474, 67.7650, 103.7323



27.8810, 23.0596, 96.7478



15.5781, 13.7432, 22.0816



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.



45.1749, 24.7592, 96.1644



41.0283, 19.9889, 96.3035



55.4941, 30.7318, 67.1519



18.2747, 18.0333, 22.7676



19.9824, 9.2118, 50.1594



2.0513, 0.9514, 4.8888

Inverse Universe

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



46.8313, 27.2666, 21.5341



43.9860, 23.3533, 13.3230



41.1268, 73.4753, 27.4081



18.2155, 18.0695, 19.7521



22.1875, 11.3643, 4.3718



2.2041, 1.1240, 0.6565

Previews

White Background



This preview shows how the XYZ color 45.1738, 24.7582, 96.1638 looks on a white background.

Color Contrast Check

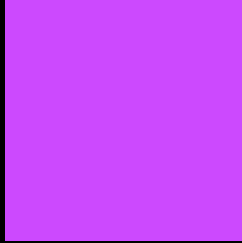
Large Text (above 18pt) WCAG AA ✓ Pass

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 45.1738, 24.7582, 96.1638 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

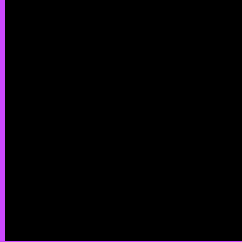
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 45.1738, 24.7582, 96.1638

Background



This preview shows how black text looks on a background with the XYZ color 45.1738, 24.7582, 96.1638.



This preview shows how white text looks on a background with the XYZ color 45.1738, 24.7582,

96.1638.

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

45.1738, 24.7582, 96.1638

Protanopia

28.8918, 25.2603, 97.9607

Deuteranopia

26.0590, 25.2881, 87.5120



Tritanopia

30.1348, 24.5432, 22.8877

Trichromacy



Original Color

45.1738, 24.7582, 96.1638



Protanomaly

31.2057, 22.4404, 97.2945



Deuteranomaly

27.8023, 21.5120, 89.8757



Tritanomaly

33.9347, 23.5310, 42.2885

Monochromacy



Original Color

45.1738, 24.7582, 96.1638



Achromatopsia

22.2940, 23.4551, 25.5426



Achromatomaly

27.9183, 21.9141, 44.3534

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.1738, 24.7582, 96.1638 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(204, 73, 254)` looks like.

```
.text, #text, p{  
    color:rgb(204, 73, 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(204, 73, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 73, 254) }
```

Border

The CSS property to change the border of an element to XYZ 45.1738, 24.7582, 96.1638 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(204, 73, 254) }
```


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

```
.border{ border-color:rgb(204, 73, 254) }
```

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

Here you see how a box with a 4 pixel rgb(204, 73, 254) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 73, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 73, 254);  
box-shadow:4px 4px 4px 4px rgb(204, 73,  
254) }
```

Background

The CSS property to change the background color of an element to XYZ 45.1738, 24.7582, 96.1638 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 73, 254) }
```

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

```
.background{ background-color: rgb(204, 73,  
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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