

Converting Colors

XYZ(45.4332, 24.7193, 96.9845)

Have a look what the booklet for
XYZ(45.4332, 24.7193, 96.9845)
contains.

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Color

**XYZ(45.4801, 24.7056,
96.9793)**

Conversions

Conversions Part 1

Format	Color
Hex	CD47FF
RGB	205, 71, 255
RGB Percent	80%, 28%, 100%
CMY	0.1961, 0.7216, 0.0000
CMYK	0.20, 0.72, 0.00, 0.00
HSL	284°, 100%, 64%
HSV	284°, 72%, 100%
XYZ	45.4801, 24.7056, 96.9793
YIQ	132.0420, 20.8000, 85.6320

Conversions

Conversions Part 2

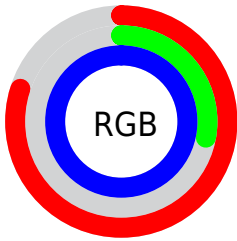
Format	Color
R _Y B	205, 71, 255
Decimal	13453311
CIE Lab	56.79, 77.34, -66.93
CIE LCh	57, 102.281, 319.126
Yxy	24.7056, 0.2721, 0.1478
Android (android.graphics.Color)	4291643391 (0xFFCD47FF)
YUV	132.0420, 60.6183, 63.9842
Hunter-Lab	49.7047, 76.3452, -80.8879

Details

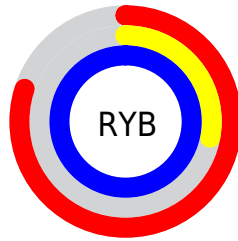
The XYZ color **45.4801, 24.7056, 96.9793** is a light color, and the websafe version is hex **CC33FF**. The color can be described as light washed magenta. A complement of this color would be **44.7828, 76.0400, 18.2788**, and the grayscale version is **21.7317, 22.8634, 24.8983**.

A 20% lighter version of the original color is **67.2726, 44.4453, 99.6409**, and **21.9321, 10.1422, 53.6250** is the 20% darker color. If you saturate the color by 10%, you get **42.3159, 21.1513, 96.4600**, and if you desaturate by 10%, it is **49.4108, 29.6650, 97.7294**.

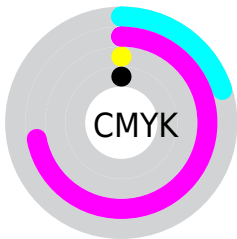
Distribution



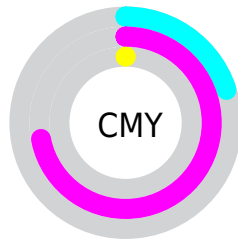
- Red (80%)
- Green (28%)
- Blue (100%)



- Red (80%)
- Yellow (28%)
- Blue (100%)



- Cyan (20%)
- Magenta (72%)
- Yellow (0%)
- Black (0%)



- Cyan (20%)
- Magenta (72%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.4801, 24.7056, 96.9793 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 45.4801, 24.7056, 96.9793 by changing the saturation by 10% instead.

 45.4801, 24.7056,
96.9793


 45.4801, 24.7056,
96.9793

359.4656,
276.3686, 571.6277

 32.0386, 15.8579,
73.1775


 82.6730, 51.1792,
159.0153


 21.5467, 9.4236,
53.6284


 107.1552, 69.5739,
198.0865


 13.6389, 5.0185,
37.9135


 136.0483, 91.9196,
243.0847

 7.9500, 2.2581,
25.6142

 169.7177,
118.6009, 294.4283

 4.1145, 0.7514,
16.3121

 208.5288,
150.0020, 352.5358

 1.7671, 0.0000,
9.5885

252.8469,

 0.4977, 0.0000,

186.5074, 417.8259

5.0250

303.0374,
228.5015, 490.7170

■ 0.0000, 0.0000,
2.2029

■ 0.0000, 0.0000,
0.6761

■ 45.4801, 24.7056,
96.9793

■ 45.4801, 24.7056,
96.9793

■ 42.3159, 21.1513,
96.4600

■ 49.4108, 29.6650,
97.7294

■ 39.8225, 18.8156,
96.1406

■ 54.1817, 36.1786,
98.7352

■ 38.2291, 17.6227,
95.9944

■ 59.8606, 44.3794,
100.0188

■ 66.5071, 54.3852,
101.5998

74.1754, 66.3028,
103.4960

82.9157, 80.2310,
105.7237

92.7744, 96.2613,
108.2983

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



31.8389, 24.7056, 149.1760



45.4801, 24.7056, 96.9793



54.0266, 24.7056, 41.3141

Triad

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



45.4801, 24.7056, 96.9793



28.0865, 24.7056, 0.0000



7.7809, 24.7056, 54.7170

Complementary

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



45.4801, 24.7056, 96.9793



44.7828, 76.0400, 18.2788

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.



7.3785, 24.7056, 16.3020



45.4801, 24.7056, 96.9793



16.7324, 24.7056, 0.0891

Square

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



45.4801, 24.7056, 96.9793



41.9451, 24.7056, 1.5199



10.0454, 24.7056, 2.7336



11.4313, 24.7056, 113.5800

Rectangle

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



45.4801, 24.7056, 96.9793



54.2390, 24.7056, 17.7589



10.0454, 24.7056, 2.7336



7.3224, 24.7056, 38.7384

Sweetspot

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



45.4811, 24.7065, 96.9795



74.3028, 66.5034, 103.5280



27.7487, 22.7595, 97.5382



15.4356, 13.4993, 22.0420



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.



45.4811, 24.7065, 96.9795



41.0306, 19.8805, 96.2825



55.7765, 30.6802, 67.3626



18.2830, 18.0376, 22.7679



20.1261, 9.2859, 50.1662



2.0644, 0.9581, 4.8894

Inverse Universe

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



46.9448, 27.1475, 20.8553



43.7831, 23.1541, 12.6184



41.2209, 74.0046, 27.1131



18.2121, 18.0682, 19.7341



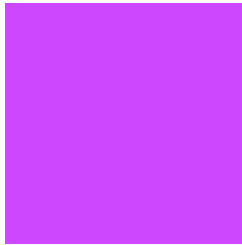
22.1679, 11.3565, 4.2687



2.2019, 1.1231, 0.6444

Previews

White Background



This preview shows how the XYZ color 45.4801, 24.7056, 96.9793 looks on a white background.

Color Contrast Check

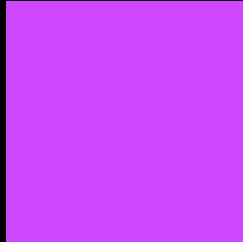
Large Text (above 18pt) WCAG AA ✓ Pass

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 45.4801, 24.7056, 96.9793 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

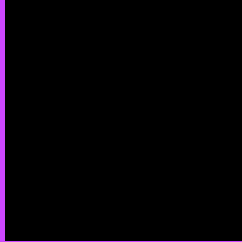
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 45.4801, 24.7056, 96.9793

Background



This preview shows how black text looks on a background with the XYZ color 45.4801, 24.7056, 96.9793.



This preview shows how white text looks on a background with the XYZ color 45.4801, 24.7056,

96.9793.

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

45.4801, 24.7056, 96.9793

Protanopia

28.8918, 25.2603, 97.9607

Deuteranopia

25.9258, 24.9881, 88.2508



Tritanopia

30.1968, 24.4106, 22.5222

Trichromacy



Original Color

45.4801, 24.7056, 96.9793



Protanomaly

31.0971, 22.2234, 97.2583



Deuteranomaly

27.6297, 21.2368, 90.6386



Tritanomaly

33.9959, 23.4304, 41.7605

Monochromacy



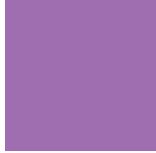
Original Color

45.4801, 24.7056, 96.9793



Achromatopsia

21.9318, 23.0740, 25.1276



Achromatomaly

27.8098, 21.6971, 44.3172

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.4801, 24.7056, 96.9793 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(205, 71, 255)` looks like.

```
.text, #text, p{  
    color:rgb(205, 71, 255)  
}
```

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(205, 71, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 71, 255) }
```

Border

The CSS property to change the border of an element to XYZ 45.4801, 24.7056, 96.9793 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(205, 71, 255) }
```


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

```
.border{ border-color:rgb(205, 71, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 71, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 71, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 71, 255);  
box-shadow:4px 4px 4px 4px rgb(205, 71,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 45.4801, 24.7056, 96.9793 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 71, 255) }
```

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

```
.background{ background-color: rgb(205, 71,  
255) }
```

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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