

Converting Colors

XYZ(47.8645, 24.0412, 96.7254)

Have a look what the booklet for
XYZ(47.8645, 24.0412, 96.7254)
contains.

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Color

**XYZ(47.9404, 24.0794,
96.7288)**

Conversions

Conversions Part 1

Format	Color
Hex	DA2EFF
RGB	218, 46, 255
RGB Percent	85%, 18%, 100%
CMY	0.1451, 0.8196, 0.0000
CMYK	0.15, 0.82, 0.00, 0.00
HSL	289°, 100%, 59%
HSV	289°, 82%, 100%
XYZ	47.9404, 24.0794, 96.7288
YIQ	121.2540, 35.4230, 101.4630

Conversions

Conversions Part 2

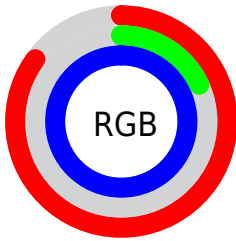
Format	Color
R _{YB}	218, 46, 255
Decimal	14298879
CIE _{Lab}	56.17, 86.94, -67.84
CIE _{LCh}	56, 110.275, 322.037
Y _{xy}	24.0794, 0.2841, 0.1427
Android (android.graphics.Color)	4292488959 (0xFFDA2EFF)
YUV	121.2540, 65.9368, 84.8462
Hunter-Lab	49.0708, 88.5143, -82.5235

Details

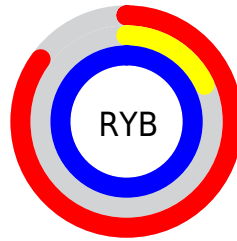
The XYZ color **47.9404, 24.0794, 96.7288** is a light color, and the websafe version is hex **CC33FF**. The color can be described as light washed magenta. A complement of this color would be **39.8211, 73.5566, 14.6846**, and the grayscale version is **18.0432, 18.9829, 20.6724**.

A 20% lighter version of the original color is **65.4207, 40.7415, 99.0236**, and **24.1786, 11.3003, 53.7301** is the 20% darker color. If you saturate the color by 10%, you get **45.8916, 21.9576, 96.4272**, and if you desaturate by 10%, it is **50.6183, 27.4026, 97.2291**.

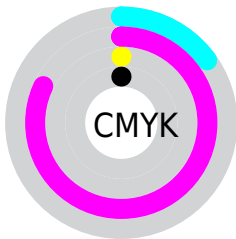
Distribution



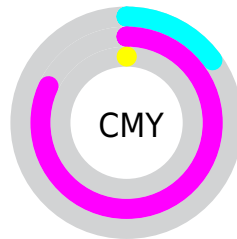
- Red (85%)
- Green (18%)
- Blue (100%)



- Red (85%)
- Yellow (18%)
- Blue (100%)



- Cyan (15%)
- Magenta (82%)
- Yellow (0%)
- Black (0%)




- Cyan (15%)
- Magenta (82%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.9404, 24.0794, 96.7288 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 47.9404, 24.0794, 96.7288 by changing the saturation by 10% instead.

 47.9404, 24.0794,
96.7288

 47.9404, 24.0794,
96.7288

369.1424,
273.2217, 570.8100

 33.9907, 15.3925,
72.9699


 86.3259, 50.1597,
158.6669

 23.0493, 9.0953,
53.4597


 111.4924, 68.3220,
197.6832


 14.7508, 4.8034,
37.7796


 141.1287, 90.4115,
242.6223

 8.7299, 2.1324,
25.5112

 175.5999,
116.8127, 293.9029

 4.6211, 0.6827,
16.2358

 215.2716,
147.9099, 351.9434

 2.0592, 0.0000,
9.5350

260.5089,

 0.6669, 0.0000,

184.0875, 417.1624

4.9902

311.6774,
225.7300, 489.9784

■ 0.0000, 0.0000,
2.1829

■ 0.0000, 0.0000,
0.6645

■ 47.9404, 24.0794,
96.7288

■ 47.9404, 24.0794,
96.7288

■ 45.8916, 21.9576,
96.4272

■ 50.6183, 27.4026,
97.2291

■ 44.5878, 20.9007,
96.2919

■ 54.0137, 32.1067,
97.9581

■ 58.2032, 38.3438,
98.9412

■ 63.2529, 46.2452,
100.2002

69.2213, 55.9280,
101.7546

76.1620, 67.4987,
103.6221

84.1242, 81.0552,
105.8191

93.1536, 96.6888,
108.3608

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.



33.2880, 24.0794, 158.4566



47.9404, 24.0794, 96.7288



56.4465, 24.0794, 37.1101

Triad

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



47.9404, 24.0794, 96.7288



26.4272, 24.0794, 0.0000



6.9264, 24.0794, 62.0351

Complementary

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



47.9404, 24.0794, 96.7288



39.8211, 73.5566, 14.6846

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.



6.2537, 24.0794, 17.6982



47.9404, 24.0794, 96.7288



14.9150, 24.0794, 0.0000

Square

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



47.9404, 24.0794, 96.7288



41.3628, 24.0794, 0.6920



8.5604, 24.0794, 2.4665



10.9414, 24.0794, 128.5251

Rectangle

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



47.9404, 24.0794, 96.7288



55.8999, 24.0794, 14.2024



8.5604, 24.0794, 2.4665



6.3811, 24.0794, 43.6080

Sweetspot

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



47.9414, 24.0804, 96.7289



73.9446, 63.7728, 103.0198



22.3725, 14.1919, 96.1679



15.3038, 12.7772, 21.9096



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.



47.9414, 24.0804, 96.7289



44.9007, 21.1442, 96.3225



51.3830, 26.8809, 50.5216



18.4587, 18.1282, 22.7762



23.4130, 10.9803, 50.3200



2.3585, 1.1098, 4.9032

Inverse Universe

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



43.7788, 23.8392, 10.4787



41.8569, 21.5953, 4.9057



39.8222, 73.2751, 27.4290



18.1406, 18.0396, 19.3577



21.8355, 11.2235, 2.5181



2.1602, 1.1065, 0.4251

Previews

White Background



This preview shows how the XYZ color 47.9404, 24.0794, 96.7288 looks on a white background.

Color Contrast Check

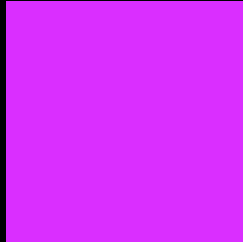
Large Text (above 18pt) WCAG AA ✓ Pass

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 47.9404, 24.0794, 96.7288 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

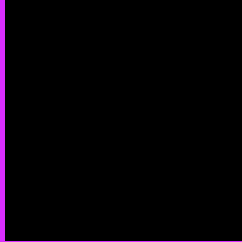
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 47.9404, 24.0794, 96.7288

Background



This preview shows how black text looks on a background with the XYZ color 47.9404, 24.0794, 96.7288.



This preview shows how white text looks on a background with the XYZ color 47.9404, 24.0794,

96.7288.

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

47.9404, 24.0794, 96.7288

Protanopia

28.2807, 24.5426, 97.8544

Deuteranopia

25.3295, 24.5034, 86.6137



Tritanopia

31.8481, 23.8724, 18.8488

Trichromacy



Original Color

47.9404, 24.0794, 96.7288



Protanomaly

30.3529, 20.3274, 96.9316



Deuteranomaly

26.6219, 19.1511, 89.4822



Tritanomaly

35.4936, 22.3354, 38.0378

Monochromacy



Original Color

47.9404, 24.0794, 96.7288



Achromatopsia

18.1737, 19.1202, 20.8219



Achromatomaly

24.9687, 17.9756, 40.1839

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.9404, 24.0794, 96.7288 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(218, 46, 255)` looks like.

```
.text, #text, p{  
    color:rgb(218, 46, 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(218, 46, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 46, 255) }
```

Border

The CSS property to change the border of an element to XYZ 47.9404, 24.0794, 96.7288 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(218, 46, 255) }
```


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

```
.border{ border-color:rgb(218, 46, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 46, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 46, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 46, 255);  
box-shadow:4px 4px 4px 4px rgb(218, 46,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 47.9404, 24.0794, 96.7288 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 46, 255) }
```

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

```
.background{ background-color: rgb(218, 46,  
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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