

Converting Colors

XYZ(47.7003, 23.5461, 96.6385)

Have a look what the booklet for
XYZ(47.7003, 23.5461, 96.6385)
contains.

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Color

**XYZ(47.6566, 23.5117,
96.6342)**

Conversions

Conversions Part 1

Format	Color
Hex	DA26FF
RGB	218, 38, 255
RGB Percent	85%, 15%, 100%
CMY	0.1451, 0.8509, 0.0000
CMYK	0.15, 0.85, 0.00, 0.00
HSL	290°, 100%, 57%
HSV	290°, 85%, 100%
XYZ	47.6566, 23.5117, 96.6342
YIQ	116.5580, 37.6230, 105.6470

Conversions

Conversions Part 2

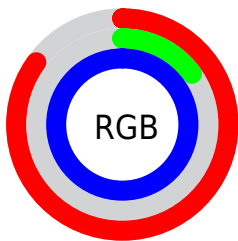
Format	Color
R _Y B	218, 38, 255
Decimal	14296831
CIE Lab	55.60, 88.62, -68.76
CIE LCh	56, 112.166, 322.192
Yxy	23.5117, 0.2840, 0.1401
Android (android.graphics.Color)	4292486911 (0xFFDA26FF)
YUV	116.5580, 68.2519, 88.9646
Hunter-Lab	48.4889, 90.5807, -84.2177

Details

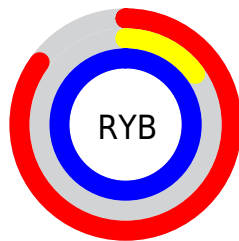
The XYZ color **47.6566, 23.5117, 96.6342** is a light color, and the websafe version is hex **CC33FF**. The color can be described as light washed magenta. A complement of this color would be **39.0122, 73.1561, 13.8989**, and the grayscale version is **16.5624, 17.4249, 18.9757**.

A 20% lighter version of the original color is **64.8659, 39.6319, 98.8386**, and **24.1786, 11.3003, 53.7301** is the 20% darker color. If you saturate the color by 10%, you get **45.8186, 21.7397, 96.3890**, and if you desaturate by 10%, it is **50.0875, 26.4167, 97.0668**.

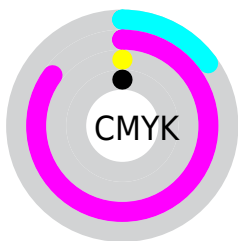
Distribution



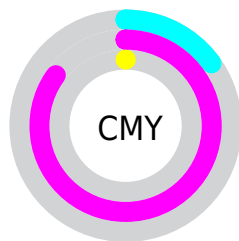
- Red (85%)
- Green (15%)
- Blue (100%)



- Red (85%)
- Yellow (15%)
- Blue (100%)



- Cyan (15%)
- Magenta (85%)
- Yellow (0%)
- Black (0%)





- Cyan (15%)
- Magenta (85%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.6566, 23.5117, 96.6342 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 47.6566, 23.5117, 96.6342 by changing the saturation by 10% instead.

 47.6566, 23.5117,
96.6342

 47.6566, 23.5117,
96.6342


368.0346,
270.3424, 570.5010

 33.7651, 14.9718,
72.8915


 85.9057, 49.2322,
158.5353


 22.8753, 8.7996,
53.3960


 110.9940, 67.1816,
197.5308


 14.6216, 4.6107,
37.7291


 140.5454, 89.0362,
242.4477

 8.6388, 2.0207,
25.4723

 174.9251,
115.1805, 293.7044

 4.5616, 0.6195,
16.2071

 214.4985,
145.9989, 351.7196

 2.0245, 0.0000,
9.5148

259.6310,

 0.6477, 0.0000,

181.8758, 416.9117

4.9771

310.6879,
223.1955, 489.6993

■ 0.0000, 0.0000,
2.1753

■ 0.0000, 0.0000,
0.6601

■ 47.6566, 23.5117,
96.6342

■ 47.6566, 23.5117,
96.6342

■ 45.8186, 21.7397,
96.3890

■ 50.0875, 26.4167,
97.0668

■ 45.0637, 21.1461,
96.3142

■ 53.2066, 30.6482,
97.7191

■ 57.0948, 36.3665,
98.6179

■ 61.8206, 43.7082,
99.7860

67.4447, 52.7945,
101.2434

74.0221, 63.7348,
103.0084

81.6032, 76.6297,
105.0978

90.2348, 91.5723,
107.5271

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.



32.8724, 23.5117, 159.8285



47.6566, 23.5117, 96.6342



56.2251, 23.5117, 36.2993

Triad

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



47.6566, 23.5117, 96.6342



25.8237, 23.5117, 0.0000



6.5263, 23.5117, 62.0411

Complementary

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



47.6566, 23.5117, 96.6342



39.0122, 73.1561, 13.8989

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.



5.8556, 23.5117, 17.2418



47.6566, 23.5117, 96.6342



14.3491, 23.5117, 0.0000

Square

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



47.6566, 23.5117, 96.6342



40.8601, 23.5117, 0.5059



8.0946, 23.5117, 2.2253



10.4907, 23.5117, 129.7906

Rectangle

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



47.6566, 23.5117, 96.6342



55.6285, 23.5117, 13.5095



8.0946, 23.5117, 2.2253



5.9891, 23.5117, 43.3475

Sweetspot

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



47.6576, 23.5126, 96.6343



73.3858, 62.6650, 102.8354



21.5592, 13.0514, 95.9906



15.2028, 12.5684, 21.8746



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.



47.6576, 23.5126, 96.6343



45.0637, 21.1461, 96.3142



50.8268, 26.2042, 48.9932



18.4708, 18.1345, 22.7767



23.6586, 11.1069, 50.3315



2.3802, 1.1210, 4.9042

Inverse Universe

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



43.2037, 23.1549, 8.8501



41.6849, 21.4379, 4.2727



39.1990, 72.9880, 25.8558



18.1357, 18.0376, 19.3319



21.8179, 11.2164, 2.4253



2.1578, 1.1055, 0.4123

Previews

White Background



This preview shows how the XYZ color 47.6566, 23.5117, 96.6342 looks on a white background.

Color Contrast Check

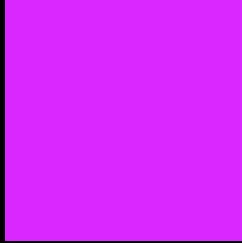
Large Text (above 18pt) WCAG AA ✓ Pass

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 47.6566, 23.5117, 96.6342 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

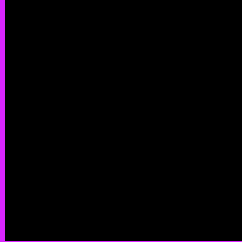
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 47.6566, 23.5117, 96.6342

Background



This preview shows how black text looks on a background with the XYZ color 47.6566, 23.5117, 96.6342.



This preview shows how white text looks on a background with the XYZ color 47.6566, 23.5117,

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

47.6566, 23.5117, 96.6342

Protanopia

27.7039, 23.8503, 97.7512

Deuteranopia

24.7940, 24.0173, 86.5481



Tritanopia

31.4281, 23.2126, 18.1533

Trichromacy



Original Color

47.6566, 23.5117, 96.6342



Protanomaly

29.5690, 19.3676, 96.7876



Deuteranomaly

24.9380, 17.6995, 89.2907



Tritanomaly

35.0231, 21.5395, 37.4336

Monochromacy



Original Color

47.6566, 23.5117, 96.6342



Achromatopsia

16.9083, 17.7888, 19.3720



Achromatomaly

23.7912, 16.6395, 38.5170

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.6566, 23.5117, 96.6342 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, 38, 255)` looks like.

```
.text, #text, p{  
    color:rgb(218, 38, 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, 38, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 38, 255) }
```

Border

The CSS property to change the border of an element to XYZ 47.6566, 23.5117, 96.6342 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, 38, 255) }
```


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

```
.border{ border-color:rgb(218, 38, 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, 38, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 38, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 38, 255);  
box-shadow:4px 4px 4px 4px rgb(218, 38,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 47.6566, 23.5117, 96.6342 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 38, 255) }
```

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

```
.background{ background-color: rgb(218, 38,  
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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