

Converting Colors

XYZ(46.0403, 23.4068, 96.6991)

Have a look what the booklet for
XYZ(46.0403, 23.4068, 96.6991)
contains.

XYZ(46.0978, 23.4365, 96.7018)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(46.0978, 23.4365,
96.7018)**

Conversions

Conversions Part 1

Format	Color
Hex	D333FF
RGB	211, 51, 255
RGB Percent	83%, 20%, 100%
CMY	0.1725, 0.8000, 0.0000
CMYK	0.17, 0.80, 0.00, 0.00
HSL	287°, 100%, 60%
HSV	287°, 80%, 100%
XYZ	46.0978, 23.4365, 96.7018
YIQ	122.0960, 29.8760, 97.3640

Conversions

Conversions Part 2

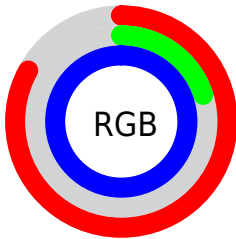
Format	Color
R _Y B	211, 51, 255
Decimal	13841407
CIE Lab	55.52, 84.57, -68.94
CIE LCh	56, 109.106, 320.815
Yxy	23.4365, 0.2773, 0.1410
Android (android.graphics.Color)	4292031487 (0xFFD333FF)
YUV	122.0960, 65.5217, 77.9688
Hunter-Lab	48.4113, 85.2502, -84.5443

Details

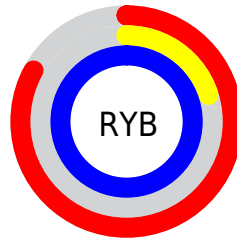
The XYZ color **46.0978, 23.4365, 96.7018** is a light color, and the websafe version is hex **CC33FF**. The color can be described as light washed magenta. A complement of this color would be **41.0773, 74.1921, 15.2881**, and the grayscale version is **18.3175, 19.2714, 20.9866**.

A 20% lighter version of the original color is **65.6513, 41.2026, 99.1004**, and **22.8405, 10.6105, 53.6675** is the 20% darker color. If you saturate the color by 10%, you get **43.7243, 20.9878, 96.3543**, and if you desaturate by 10%, it is **49.1370, 27.1344, 97.2554**.

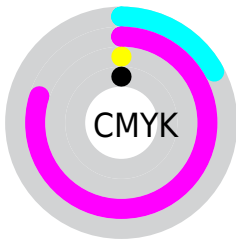
Distribution



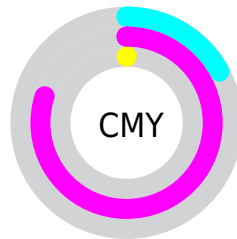
- Red (83%)
- Green (20%)
- Blue (100%)



- Red (83%)
- Yellow (20%)
- Blue (100%)



- Cyan (17%)
- Magenta (80%)
- Yellow (0%)
- Black (0%)





- Cyan (17%)
- Magenta (80%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.0978, 23.4365, 96.7018 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 46.0978, 23.4365, 96.7018 by changing the saturation by 10% instead.

 46.0978, 23.4365,
96.7018

 46.0978, 23.4365,
96.7018


361.9110,
269.9591, 570.7218

 32.5280, 14.9161,
72.9475


 83.5923, 49.1091,
158.6294


 21.9226, 8.7606,
53.4415


 108.2477, 67.0301,
197.6397

 13.9163, 4.5853,
37.7652


 137.3290, 88.8534,
242.5725

 8.1438, 2.0061,
25.5001

 171.2015,
114.9635, 293.8463

 4.2397, 0.6110,
16.2276

 210.2306,
145.7447, 351.8795

 1.8386, 0.0000,
9.5293

254.7816,

 0.5408, 0.0000,

181.5815, 417.0908

4.9865

305.2200,
222.8581, 489.8987

■ 0.0000, 0.0000,
2.1807

■ 0.0000, 0.0000,
0.6632

■ 46.0978, 23.4365,
96.7018

■ 46.0978, 23.4365,
96.7018

■ 43.7243, 20.9878,
96.3543

■ 49.1370, 27.1344,
97.2554

■ 41.8703, 19.4999,
96.1648

■ 52.9268, 32.2538,
98.0438

■ 41.8699, 19.4996,
96.1648

■ 57.5420, 38.9423,
99.0916

■ 63.0470, 47.3282,
100.4201

■ 69.4998, 57.5265,
102.0484

■ 76.9530, 69.6417,
103.9941

■ 85.4553, 83.7708,
106.2731

■ 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.



31.7819, 23.4365, 155.6389



46.0978, 23.4365, 96.7018



54.7323, 23.4365, 37.9297

Triad

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



46.0978, 23.4365, 96.7018



26.2684, 23.4365, 0.0000



6.6749, 23.4365, 57.9506

Complementary

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



46.0978, 23.4365, 96.7018



41.0773, 74.1921, 15.2881

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.



6.1347, 23.4365, 16.1612



46.0978, 23.4365, 96.7018



14.8837, 23.4365, 0.0000

Square

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



46.0978, 23.4365, 96.7018



40.8105, 23.4365, 0.7798



8.5122, 23.4365, 2.1878



10.4244, 23.4365, 122.2634

Rectangle

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



46.0978, 23.4365, 96.7018



54.5198, 23.4365, 14.8016



8.5122, 23.4365, 2.1878



6.1843, 23.4365, 40.4556

Sweetspot

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



46.0988, 23.4374, 96.7019



73.8468, 64.5566, 103.1763



23.5262, 16.1452, 96.4841



15.2441, 12.9058, 21.9376



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.



46.0988, 23.4374, 96.7019



42.5725, 20.0261, 96.2294



52.5252, 27.6686, 55.5167



18.3867, 18.0911, 22.7728



22.0094, 10.2568, 50.2543



2.2337, 1.0454, 4.8973

Inverse Universe

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



44.4898, 24.4544, 13.2025



42.2479, 21.8403, 6.6913



39.8753, 73.3239, 26.4640



18.1697, 18.0512, 19.5107



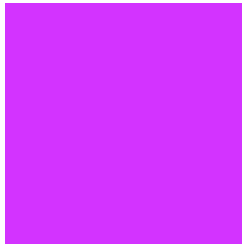
21.9534, 11.2706, 3.1390



2.1757, 1.1127, 0.5067

Previews

White Background



This preview shows how the XYZ color 46.0978, 23.4365, 96.7018 looks on a white background.

Color Contrast Check

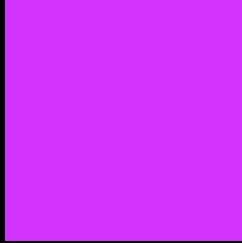
Large Text (above 18pt) WCAG AA ✓ Pass

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 46.0978, 23.4365, 96.7018 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

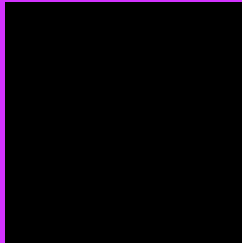
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 46.0978, 23.4365, 96.7018

Background



This preview shows how black text looks on a background with the XYZ color 46.0978, 23.4365, 96.7018.



This preview shows how white text looks on a background with the XYZ color 46.0978, 23.4365,

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

46.0978, 23.4365, 96.7018

Protanopia

27.6452, 23.8201, 97.7484

Deuteranopia

24.3921, 23.6192, 85.7114



Tritanopia

30.2532, 23.1925, 19.4051

Trichromacy



Original Color

46.0978, 23.4365, 96.7018



Protanomaly

29.6431, 20.1048, 96.9260



Deuteranomaly

24.4923, 18.0710, 88.5834



Tritanomaly

33.9364, 21.7485, 38.9685

Monochromacy



Original Color

46.0978, 23.4365, 96.7018



Achromatopsia

18.4984, 19.4618, 21.1939



Achromatomaly

24.7650, 18.1380, 40.2259

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.0978, 23.4365, 96.7018 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(211, 51, 255)` looks like.

```
.text, #text, p{  
    color:rgb(211, 51, 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(211, 51, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 51, 255) }
```

Border

The CSS property to change the border of an element to XYZ 46.0978, 23.4365, 96.7018 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(211, 51, 255) }
```


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

```
.border{ border-color:rgb(211, 51, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 51, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 51, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 51, 255);  
box-shadow:4px 4px 4px 4px rgb(211, 51,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 46.0978, 23.4365, 96.7018 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 51, 255) }
```

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

```
.background{ background-color: rgb(211, 51,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor