

Converting Colors

XYZ(46.2434, 24.0633, 81.5648)

Have a look what the booklet for
XYZ(46.2434, 24.0633, 81.5648)
contains.

XYZ(46.2783, 24.0666, 81.5631)	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(46.2783, 24.0666,
81.5631)**

Conversions

Conversions Part 1

Format	Color
Hex	DD36EC
RGB	221, 54, 236
RGB Percent	87%, 21%, 93%
CMY	0.1333, 0.7882, 0.0745
CMYK	0.06, 0.77, 0.00, 0.07
HSL	295°, 83%, 57%
HSV	295°, 77%, 93%
XYZ	46.2783, 24.0666, 81.5631
YIQ	124.6810, 41.1100, 92.0060

Conversions

Conversions Part 2

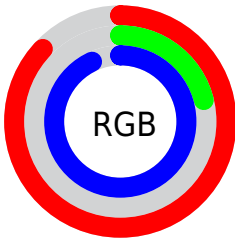
Format	Color
R _Y B	221, 54, 236
Decimal	14497516
CIE Lab	56.15, 82.34, -57.23
CIE LCh	56, 100.280, 325.198
Yxy	24.0666, 0.3046, 0.1584
Android (android.graphics.Color)	4292687596 (0xFFDD36EC)
YUV	124.6810, 54.8803, 84.4718
Hunter-Lab	49.0577, 82.5359, -64.2348

Details

The XYZ color **46.2783, 24.0666, 81.5631** is a light color, and the websafe version is hex **CC00CC**. The color can be described as light washed magenta. A complement of this color would be **33.1163, 61.5231, 13.6207**, and the grayscale version is **19.1997, 20.1995, 21.9973**.

A 20% lighter version of the original color is **65.8868, 41.6737, 99.1789**, and **22.8346, 10.8317, 43.5350** is the 20% darker color. If you saturate the color by 10%, you get **44.8456, 22.0744, 81.2544**, and if you desaturate by 10%, it is **48.2521, 27.1289, 82.0505**.

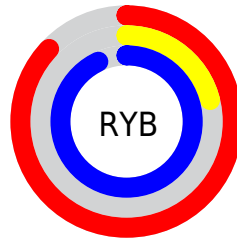
Distribution



Red (87%)

Green (21%)

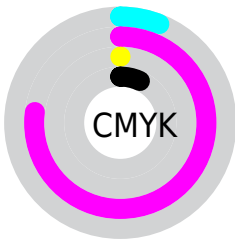
Blue (93%)



Red (87%)

Yellow (21%)

Blue (93%)

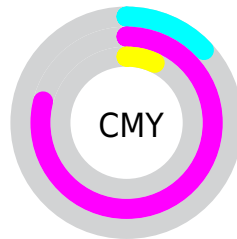


Cyan (6%)

Magenta (77%)

Yellow (0%)

Black (7%)



Cyan (13%)


Magenta (79%)


Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.2783, 24.0666, 81.5631 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 46.2783, 24.0666, 81.5631 by changing the saturation by 10% instead.


 46.2783, 24.0666,
81.5631


 46.2783, 24.0666,
81.5631


362.6236,
273.1570, 520.0301


 32.6710, 15.3830,
60.4718

 83.8607, 50.1389,
137.3923


 22.0326, 9.0886,
43.3712


 108.5665, 68.2963,
172.9673


 13.9976, 4.7990,
29.8429


 137.7025, 90.3806,
214.2072

 8.2007, 2.1298,
19.4684

 171.6341,
116.7760, 261.5306

 4.2765, 0.6813,
11.8290

 210.7267,
147.8669, 315.3561

 1.8597, 0.0000,
6.5062

255.3456,

 0.5533, 0.0000,

184.0378, 376.1022

3.0815

305.8561,
225.6730, 444.1873

■ 0.0000, 0.0000,
1.1364

■ 0.0000, 0.0000,
0.0000

■ 46.2783, 24.0666,
81.5631

■ 46.2783, 24.0666,
81.5631

■ 44.8456, 22.0744,
81.2544

■ 48.2521, 27.1289,
82.0505

■ 43.8629, 20.9728,
81.0936

■ 50.8319, 31.3941,
82.7378

■ 43.6224, 20.7392,
81.0612

■ 54.0768, 36.9792,
83.6448

■ 58.0379, 43.9863,
84.7885

62.7613, 52.5077,
86.1844

68.2892, 62.6278,
87.8464

74.6607, 74.4248,
89.7877

81.9124, 87.9717,
92.0203

86.3306, 95.8411,
93.3063

Harmonies

Analogous

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



33.6473, 24.0666, 135.5334



46.2783, 24.0666, 81.5631



52.7667, 24.0666, 31.8753

Triad

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



46.2783, 24.0666, 81.5631



24.7773, 24.0666, 0.0000



8.1266, 24.0666, 63.5017

Complementary

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



46.2783, 24.0666, 81.5631



33.1163, 61.5231, 13.6207

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.



7.1513, 24.0666, 21.2495



46.2783, 24.0666, 81.5631



14.6882, 24.0666, 0.4251

Square

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



46.2783, 24.0666, 81.5631



37.9698, 24.0666, 1.0128



9.0916, 24.0666, 4.1247



12.4274, 24.0666, 120.2788

Rectangle

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



46.2783, 24.0666, 81.5631



51.5605, 24.0666, 12.8552



9.0916, 24.0666, 4.1247



7.4768, 24.0666, 46.5747

Sweetspot

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



46.2793, 24.0677, 81.5636



77.3530, 67.2127, 103.5041



18.8010, 11.1183, 80.5124



16.0663, 13.4918, 22.0073



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.



46.2793, 24.0677, 81.5636



52.6755, 25.3876, 96.7317



42.2718, 23.0160, 35.5504



15.5852, 15.2470, 19.0438



24.0986, 11.4592, 44.6847



1.9286, 0.9185, 3.5105

Inverse Universe

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



36.9861, 20.9018, 7.7163



41.7940, 21.8238, 3.7925



35.5357, 62.3830, 31.2304



15.1159, 15.0742, 15.8954



19.1534, 9.8641, 1.3434



1.5215, 0.7815, 0.1974

Previews

White Background



This preview shows how the XYZ color 46.2783, 24.0666, 81.5631 looks on a white background.

Color Contrast Check

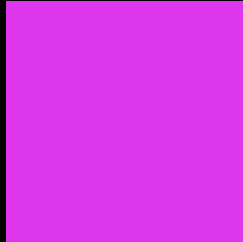
Large Text (above 18pt) WCAG AA ✓ Pass

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 46.2783, 24.0666, 81.5631 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

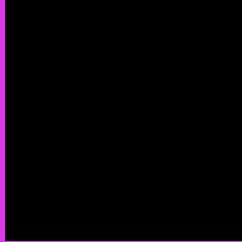
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 46.2783, 24.0666, 81.5631

Background



This preview shows how black text looks on a background with the XYZ color 46.2783, 24.0666, 81.5631.



This preview shows how white text looks on a background with the XYZ color 46.2783, 24.0666,

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

46.2783, 24.0666, 81.5631

Protanopia

28.3463, 24.5764, 97.8575

Deuteranopia

25.3193, 24.5679, 73.9286



Tritanopia

33.1183, 23.9481, 17.6288

Trichromacy



Original Color

46.2783, 24.0666, 81.5631



Protanomaly

29.8196, 20.6154, 91.2144



Deuteranomaly

28.2109, 20.5766, 75.8836



Tritanomaly

36.1132, 22.7462, 33.9396

Monochromacy



Original Color

46.2783, 24.0666, 81.5631



Achromatopsia

19.4927, 20.5079, 22.3331



Achromatomaly

25.7506, 19.1139, 37.9295

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.2783, 24.0666, 81.5631 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(221, 54, 236)` looks like.

```
.text, #text, p{  
    color:rgb(221, 54, 236)  
}
```

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(221, 54, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 54, 236) }
```

Border

The CSS property to change the border of an element to XYZ 46.2783, 24.0666, 81.5631 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(221, 54, 236) }
```


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

```
.border{ border-color:rgb(221, 54, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 54, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 54, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 54, 236);  
box-shadow:4px 4px 4px 4px rgb(221, 54,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 46.2783, 24.0666, 81.5631 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 54, 236) }
```

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

```
.background{ background-color: rgb(221, 54,  
236) }
```

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