

Converting Colors

XYZ(46.5947, 21.9365, 96.3854)

Have a look what the booklet for
XYZ(46.5947, 21.9365, 96.3854)
contains.

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Color

**XYZ(46.6653, 21.9717,
96.3892)**

Conversions

Conversions Part 1

Format	Color
Hex	D900FF
RGB	217, 0, 255
RGB Percent	85%, 0%, 100%
CMY	0.1490, 0.9999, 0.0000
CMYK	0.15, 1.00, 0.00, 0.00
HSL	291°, 100%, 50%
HSV	291°, 100%, 100%
XYZ	46.6653, 21.9717, 96.3892
YIQ	93.9530, 47.4770, 125.3090

Conversions

Conversions Part 2

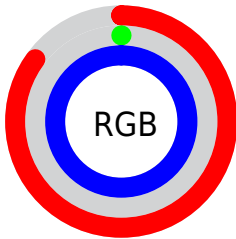
Format	Color
R _Y B	217, 0, 255
Decimal	14221567
CIE Lab	54.00, 92.74, -71.35
CIE LCh	54, 117.009, 322.424
Yxy	21.9717, 0.2828, 0.1331
Android (android.graphics.Color)	4292411647 (0xFFD900FF)
YUV	93.9530, 79.3962, 107.9122
Hunter-Lab	46.8740, 95.6759, -89.1091

Details

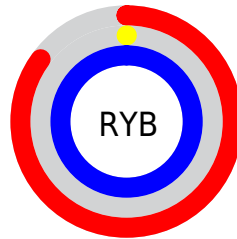
The XYZ color **46.6653, 21.9717, 96.3892** is a light color, and the websafe version is hex **CC00FF**. The color can be described as light saturated magenta. A complement of this color would be **36.5602, 71.9325, 11.9581**, and the grayscale version is **10.4425, 10.9864, 11.9641**.

A 20% lighter version of the original color is **63.7518, 37.4037, 98.4673**, and **23.7883, 11.0991, 53.7119** is the 20% darker color. If you saturate the color by 10%, you get **46.6651, 21.9716, 96.3892**, and if you desaturate by 10%, it is **48.1676, 23.2790, 96.5623**.

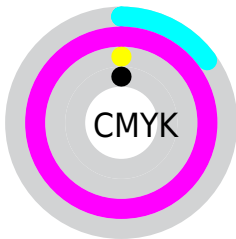
Distribution



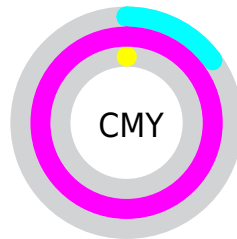
- Red (85%)
- Green (0%)
- Blue (100%)



- Red (85%)
- Yellow (0%)
- Blue (100%)



- Cyan (15%)
- Magenta (100%)
- Yellow (0%)
- Black (0%)





- Cyan (15%)
- Magenta (100%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.6653, 21.9717, 96.3892 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 46.6653, 21.9717, 96.3892 by changing the saturation by 10% instead.


 46.6653, 21.9717,
96.3892


 46.6653, 21.9717,
96.3892


364.1482,
262.3985, 569.7004


 32.9780, 13.8361,
72.6885

 84.4356, 46.6992,
158.1945


 22.2687, 8.0068,
53.2310


 109.2493, 64.0599,
197.1362


 14.1722, 4.0993,
37.5982


 138.5024, 85.2645,
241.9952

 8.3230, 1.7293,
25.3716

 172.5605,
110.6972, 293.1902

 4.3559, 0.4425,
16.1326

 211.7887,
140.7426, 351.1397

 1.9054, 0.0000,
9.4627

256.5525,

 0.5800, 0.0000,

175.7850, 416.2622

4.9433

307.2172,
216.2088, 488.9762

■ 0.0000, 0.0000,
2.1558

■ 0.0000, 0.0000,
0.6487

■ 46.6653, 21.9717,
96.3892

■ 46.6653, 21.9717,
96.3892

■ 46.6651, 21.9716,
96.3892

■ 48.1676, 23.2790,
96.5623

■ 50.1624, 25.5333,
96.8923

■ 52.7934, 29.0210,
97.4268

■ 56.1481, 33.9168,
98.1950

60.3000, 40.3672,
99.2212

65.3131, 48.5004,
100.5269

71.2450, 58.4309,
102.1310

78.1481, 70.2636,
104.0511

86.0708, 84.0947,
106.3032

Harmonies

Analogous

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



31.5907, 21.9717, 163.1172



46.6653, 21.9717, 96.3892



55.4140, 21.9717, 34.3195

Triad

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



46.6653, 21.9717, 96.3892



24.2531, 21.9717, 0.0000



5.5132, 21.9717, 61.4953

Complementary

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



46.6653, 21.9717, 96.3892



36.5602, 71.9325, 11.9581

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.



4.8711, 21.9717, 15.8725



46.6653, 21.9717, 96.3892



12.9185, 21.9717, 0.0000

Square

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



46.6653, 21.9717, 96.3892



39.4802, 21.9717, 0.0253



6.9393, 21.9717, 1.6339



9.2948, 21.9717, 132.3053

Rectangle

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



46.6653, 21.9717, 96.3892



54.7326, 21.9717, 11.8580



6.9393, 21.9717, 1.6339



5.0076, 21.9717, 42.2350

Sweetspot

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



46.6663, 21.9726, 96.3893



71.2396, 58.4217, 102.1295



18.7520, 8.6236, 95.2839



14.6882, 11.5602, 21.7071



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.



46.6663, 21.9726, 96.3893



46.6651, 21.9716, 96.3892



48.1009, 24.0048, 38.0581



18.5110, 18.1552, 22.7786



24.4845, 11.5327, 50.3701



2.4531, 1.1585, 4.9076

Inverse Universe

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



41.5904, 21.4005, 3.7740



41.5899, 21.3999, 3.7724



37.5746, 72.2459, 21.4739



18.1197, 18.0312, 19.2473



21.7644, 11.1951, 2.1440



2.1502, 1.1024, 0.3723

Previews

White Background



This preview shows how the XYZ color 46.6653, 21.9717, 96.3892 looks on a white background.

Color Contrast Check

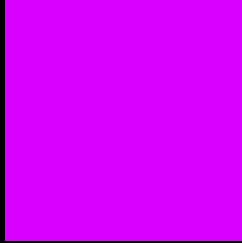
Large Text (above 18pt) WCAG AA ✓ Pass

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 46.6653, 21.9717, 96.3892 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 46.6653, 21.9717, 96.3892

Background



This preview shows how black text looks on a background with the XYZ color 46.6653, 21.9717, 96.3892.



This preview shows how white text looks on a background with the XYZ color 46.6653, 21.9717,

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

46.6653, 21.9717, 96.3892

Protanopia

26.6831, 22.7460, 97.5918

Deuteranopia

23.2388, 22.7156, 81.0016



Tritanopia

30.2370, 22.0462, 16.5716

Trichromacy



Original Color

46.6653, 21.9717, 96.3892



Protanomaly

27.2253, 16.2085, 96.3014



Deuteranomaly

22.5000, 14.5701, 85.6308



Tritanomaly

33.1683, 19.0774, 35.6524

Monochromacy



Original Color

46.6653, 21.9717, 96.3892



Achromatopsia

10.6392, 11.1932, 12.1894



Achromatomaly

18.0131, 11.0206, 31.3148

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.6653, 21.9717, 96.3892 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(217, 0, 255)` looks like.

```
.text, #text, p{  
    color:rgb(217, 0, 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(217, 0, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 0, 255) }
```

Border

The CSS property to change the border of an element to XYZ 46.6653, 21.9717, 96.3892 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(217, 0, 255) }
```


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

```
.border{ border-color:rgb(217, 0, 255) }
```

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

Here you see how a box with a 4 pixel rgb(217, 0, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 0, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 0, 255);  
box-shadow:4px 4px 4px 4px rgb(217, 0,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 46.6653, 21.9717, 96.3892 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 0, 255) }
```

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

```
.background{ background-color: rgb(217, 0,  
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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