

Converting Colors

XYZ(46.4525, 21.8620, 96.3792)

Have a look what the booklet for
XYZ(46.4525, 21.8620, 96.3792)
contains.

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Color

**XYZ(46.3689, 21.8189,
96.3753)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | D800FF |
| RGB | 216, 0, 255 |
| RGB Percent | 85%, 0%, 100% |
| CMY | 0.1529, 0.9999, 0.0000 |
| CMYK | 0.15, 1.00, 0.00, 0.00 |
| HSL | 291°, 100%, 50% |
| HSV | 291°, 100%, 100% |
| XYZ | 46.3689, 21.8189, 96.3753 |
| YIQ | 93.6540, 46.8810, 125.0970 |

Conversions

Conversions Part 2

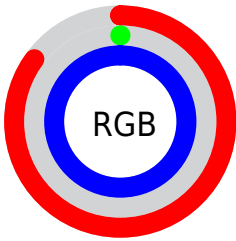
| Format | Color |
|-------------------------------------|-------------------------------|
| R_{YB} | 216, 0, 255 |
| Decimal | 14156031 |
| CIE _{Lab} | 53.83, 92.60, -71.62 |
| CIE _{LCh} | 54, 117.067, 322.279 |
| Yxy | 21.8189, 0.2818, 0.1326 |
| Android (android.graphics.Color) | 4292346111 (0xFFD800FF) |
| YUV | 93.6540, 79.5436, 107.2974 |
| Hunter-Lab | 46.7107, 95.4501, -89.6319 |

Details

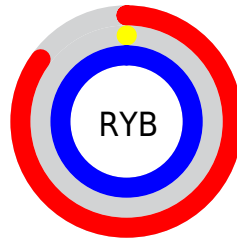
The XYZ color **46.3689, 21.8189, 96.3753** is a light color, and the websafe version is hex **CC00FF**. The color can be described as light saturated magenta. A complement of this color would be **36.5975, 71.9517, 11.9598**, and the grayscale version is **10.3724, 10.9126, 11.8838**.

A 20% lighter version of the original color is **63.6577, 37.2154, 98.4359**, and **23.5956, 10.9998, 53.7029** is the 20% darker color. If you saturate the color by 10%, you get **46.3687, 21.8188, 96.3753**, and if you desaturate by 10%, it is **47.8946, 23.1382, 96.5495**.

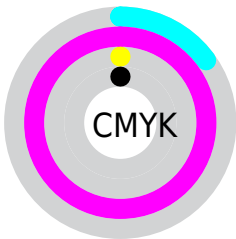
Distribution



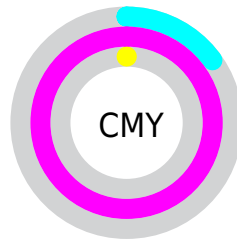
- Red (85%)
- Green (0%)
- Blue (100%)



- 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 46.3689, 21.8189, 96.3753 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 46.3689, 21.8189, 96.3753 by changing the saturation by 10% instead.

 46.3689, 21.8189,
96.3753

 46.3689, 21.8189,
96.3753

362.9809,
261.5991, 569.6550


 32.7429, 13.7239,
72.6770


 83.9953, 46.4465,
158.1752


 22.0878, 7.9289,
53.2217


 108.7264, 63.7479,
197.1138


 14.0384, 4.0495,
37.5908


 137.8899, 84.8868,
241.9695

 8.2293, 1.7013,
25.3659

 171.8512,
110.2477, 293.1610

 4.2950, 0.4245,
16.1284

 210.9755,
140.2150, 351.1068

 1.8704, 0.0000,
9.4597

255.6284,

 0.5595, 0.0000,

175.1731, 416.2253

4.9413

306.1750,
215.5063, 488.9352

■ 0.0000, 0.0000,
2.1547

■ 0.0000, 0.0000,
0.6481

■ 46.3689, 21.8189,
96.3753

■ 46.3689, 21.8189,
96.3753

■ 46.3687, 21.8188,
96.3753

■ 47.8946, 23.1382,
96.5495

■ 49.9141, 25.4053,
96.8807

■ 52.5712, 28.9064,
97.4164

■ 55.9534, 33.8163,
98.1859

■ 60.1341, 40.2816,
99.2135

■ 65.1775, 48.4303,
100.5205

■ 71.1411, 58.3772,
102.1261

■ 78.0773, 70.2269,
104.0478

■ 86.0346, 84.0758,
106.3015

Harmonies

Analogous

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



31.3303, 21.8189, 162.8746



46.3689, 21.8189, 96.3753



55.1426, 21.8189, 34.3364

Triad

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



46.3689, 21.8189, 96.3753



24.1619, 21.8189, 0.0000



5.4394, 21.8189, 60.9017

Complementary

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



46.3689, 21.8189, 96.3753



36.5975, 71.9517, 11.9598

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.



4.8147, 21.8189, 15.6101



46.3689, 21.8189, 96.3753



12.8511, 21.8189, 0.0000

Square

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



46.3689, 21.8189, 96.3753



39.3439, 21.8189, 0.0152



6.8831, 21.8189, 1.5797



9.1776, 21.8189, 131.5326

Rectangle

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



46.3689, 21.8189, 96.3753



54.5038, 21.8189, 11.8572



6.8831, 21.8189, 1.5797



4.9420, 21.8189, 41.7514

Sweetspot

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



46.3699, 21.8198, 96.3754



71.1358, 58.3682, 102.1247



18.8967, 8.9130, 95.3322



14.6631, 11.5473, 21.7060



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.



46.3699, 21.8198, 96.3754



46.3687, 21.8188, 96.3753



48.4966, 24.1630, 40.1416



18.5037, 18.1514, 22.7783



24.3317, 11.4539, 50.3630



2.4396, 1.1516, 4.9070

Inverse Universe

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



41.6067, 21.4071, 3.8601



41.6062, 21.4065, 3.8585



37.4005, 72.1762, 20.5575



18.1226, 18.0323, 19.2627



21.7737, 11.1988, 2.1927



2.1515, 1.1030, 0.3795

Previews

White Background



This preview shows how the XYZ color 46.3689, 21.8189, 96.3753 looks on a white background.

Color Contrast Check

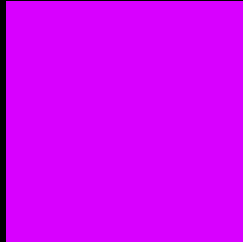
Large Text (above 18pt) WCAG AA ✓ Pass

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 46.3689, 21.8189, 96.3753 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

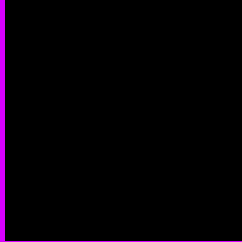
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 46.3689, 21.8189, 96.3753

Background



This preview shows how black text looks on a background with the XYZ color 46.3689, 21.8189, 96.3753.



This preview shows how white text looks on a background with the XYZ color 46.3689, 21.8189,

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

46.3689, 21.8189, 96.3753

Protanopia

26.5930, 22.6996, 97.5876

Deuteranopia

22.9592, 22.3857, 80.2016



Tritanopia

29.9760, 21.9116, 16.5594

Trichromacy



Original Color

46.3689, 21.8189, 96.3753



Protanomaly

26.9821, 16.0831, 96.2900



Deuteranomaly

22.2720, 14.3538, 84.8158



Tritanomaly

32.8950, 18.9365, 35.6396

Monochromacy



Original Color

46.3689, 21.8189, 96.3753



Achromatopsia

10.6392, 11.1932, 12.1894



Achromatomaly

17.8469, 10.9349, 31.3070

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.3689, 21.8189, 96.3753 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(216, 0, 255)` looks like.

```
.text, #text, p{  
    color:rgb(216, 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(216, 0, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 0, 255) }
```

Border

The CSS property to change the border of an element to XYZ 46.3689, 21.8189, 96.3753 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(216, 0, 255) }
```


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

```
.border{ border-color:rgb(216, 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(216, 0, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 0, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 0, 255);  
box-shadow:4px 4px 4px 4px rgb(216, 0,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 46.3689, 21.8189, 96.3753 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 0, 255) }
```

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

```
.background{ background-color: rgb(216, 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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