

Converting Colors

XYZ(45.5973, 21.4211, 96.3392)

Have a look what the booklet for
XYZ(45.5973, 21.4211, 96.3392)
contains.

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Color

**XYZ(45.4906, 21.3661,
96.3342)**

Conversions

Conversions Part 1

Format	Color
Hex	D500FF
RGB	213, 0, 255
RGB Percent	84%, 0%, 100%
CMY	0.1647, 0.9999, 0.0000
CMYK	0.16, 1.00, 0.00, 0.00
HSL	290°, 100%, 50%
HSV	290°, 100%, 100%
XYZ	45.4906, 21.3661, 96.3342
YIQ	92.7570, 45.0930, 124.4610

Conversions

Conversions Part 2

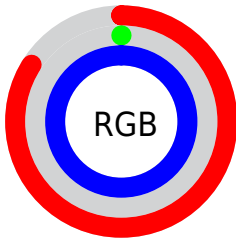
Format	Color
R_{YB}	213, 0, 255
Decimal	13959423
CIE _{Lab}	53.35, 92.20, -72.44
CIE _{LCh}	53, 117.248, 321.844
Yxy	21.3661, 0.2788, 0.1309
Android (android.graphics.Color)	4292149503 (0xFFD500FF)
YUV	92.7570, 79.9858, 105.4531
Hunter-Lab	46.2235, 94.7788, -91.2097

Details

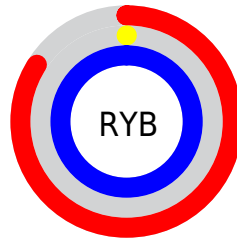
The XYZ color **45.4906, 21.3661, 96.3342** is a light color, and the websafe version is hex **CC00FF**. The color can be described as light saturated magenta. A complement of this color would be **36.7156, 72.0126, 11.9652**, and the grayscale version is **10.1637, 10.6930, 11.6447**.

A 20% lighter version of the original color is **63.6577, 37.2154, 98.4359**, and **23.0269, 10.7066, 53.6763** is the 20% darker color. If you saturate the color by 10%, you get **45.4905, 21.3661, 96.3342**, and if you desaturate by 10%, it is **47.0844, 22.7204, 96.5116**.

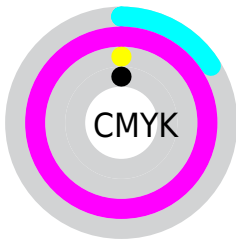
Distribution



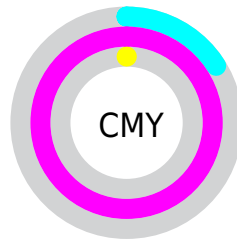
- Red (84%)
- Green (0%)
- Blue (100%)



- Red (84%)
- Yellow (0%)
- Blue (100%)



- Cyan (16%)
- Magenta (100%)
- Yellow (0%)
- Black (0%)




- Cyan (16%)
- Magenta (100%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.4906, 21.3661, 96.3342 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 45.4906, 21.3661, 96.3342 by changing the saturation by 10% instead.


 45.4906, 21.3661,
96.3342

 45.4906, 21.3661,
96.3342


359.5072,
259.2178, 569.5206


 32.0470, 13.3919,
72.6429


 82.6887, 45.6960,
158.1180

 21.5531, 7.6989,
53.1940


 107.1738, 62.8205,
197.0475

 13.6436, 3.9029,
37.5689


 136.0701, 83.7639,
241.8936

 7.9533, 1.6194,
25.3490

 169.7430,
108.9106, 293.0747

 4.1166, 0.3706,
16.1159

 208.5578,
138.6449, 351.0095

 1.7683, 0.0000,
9.4510

 252.8799,

 0.4985, 0.0000,

173.3512, 416.1163

4.9357

303.0746,
213.4141, 488.8139

■ 0.0000, 0.0000,
2.1515

■ 0.0000, 0.0000,
0.6462

■ 45.4906, 21.3661,
96.3342

■ 45.4906, 21.3661,
96.3342

■ 45.4905, 21.3661,
96.3342

■ 47.0844, 22.7204,
96.5116

■ 49.1762, 25.0247,
96.8461

■ 51.9099, 28.5652,
97.3854

■ 55.3731, 33.5167,
98.1586

■ 59.6391, 40.0259,
99.1902

■ 64.7723, 48.2208,
100.5014

■ 70.8301, 58.2161,
102.1114

■ 77.8651, 70.1165,
104.0376

■ 85.9257, 84.0186,
106.2962

Harmonies

Analogous

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



30.5604, 21.3661, 162.1534



45.4906, 21.3661, 96.3342



54.3368, 21.3661, 34.3865

Triad

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



45.4906, 21.3661, 96.3342



23.8901, 21.3661, 0.0000



5.2224, 21.3661, 59.1509

Complementary

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



45.4906, 21.3661, 96.3342



36.7156, 72.0126, 11.9652

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.



4.6486, 21.3661, 14.8430



45.4906, 21.3661, 96.3342



12.6507, 21.3661, 0.0000

Square

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



45.4906, 21.3661, 96.3342



38.9381, 21.3661, 0.0000



6.7168, 21.3661, 1.4248



8.8329, 21.3661, 129.2434

Rectangle

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



45.4906, 21.3661, 96.3342



53.8236, 21.3661, 11.8544



6.7168, 21.3661, 1.4248



4.7493, 21.3661, 40.3284

Sweetspot

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



45.4916, 21.3669, 96.3343



70.8254, 58.2082, 102.1101



18.8966, 8.9128, 95.3321



14.5881, 11.5086, 21.7025



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.



45.4916, 21.3669, 96.3343



45.4905, 21.3661, 96.3342



48.4965, 24.1629, 40.1411



18.4817, 18.1400, 22.7772



23.8787, 11.2204, 50.3418



2.3997, 1.1310, 4.9051

Inverse Universe

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



41.6584, 21.4277, 4.1323



41.6579, 21.4272, 4.1308



37.4004, 72.1762, 20.5571



18.1314, 18.0359, 19.3091



21.8028, 11.2104, 2.3458



2.1557, 1.1046, 0.4012

Previews

White Background



This preview shows how the XYZ color 45.4906, 21.3661, 96.3342 looks on a white background.

Color Contrast Check

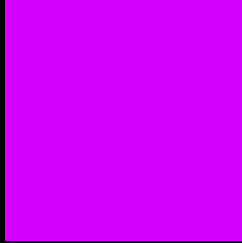
Large Text (above 18pt) WCAG AA ✓ Pass

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 45.4906, 21.3661, 96.3342 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

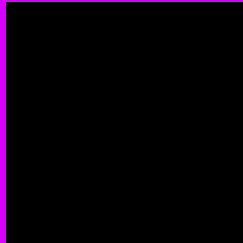
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 45.4906, 21.3661, 96.3342

Background



This preview shows how black text looks on a background with the XYZ color 45.4906, 21.3661, 96.3342.



This preview shows how white text looks on a background with the XYZ color 45.4906, 21.3661,

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

45.4906, 21.3661, 96.3342

Protanopia

26.0944, 22.0666, 97.4917

Deuteranopia

22.5401, 22.0021, 78.6601



Tritanopia

29.2033, 21.5133, 16.5232

Trichromacy



Original Color

45.4906, 21.3661, 96.3342



Protanomaly

26.3255, 15.6367, 96.2384



Deuteranomaly

21.8820, 14.0556, 83.9978



Tritanomaly

32.0858, 18.5194, 35.6017

Monochromacy



Original Color

45.4906, 21.3661, 96.3342



Achromatopsia

10.4043, 10.9462, 11.9204



Achromatomaly

17.5480, 10.7133, 30.8488

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.4906, 21.3661, 96.3342 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(213, 0, 255)` looks like.

```
.text, #text, p{  
    color:rgb(213, 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(213, 0, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 0, 255) }
```

Border

The CSS property to change the border of an element to XYZ 45.4906, 21.3661, 96.3342 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(213, 0, 255) }
```


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

```
.border{ border-color:rgb(213, 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(213, 0, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 0, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 0, 255);  
box-shadow:4px 4px 4px 4px rgb(213, 0,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 45.4906, 21.3661, 96.3342 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 0, 255) }
```

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

```
.background{ background-color: rgb(213, 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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