

Converting Colors

XYZ(46.8153, 22.3090, 96.4464)

Have a look what the booklet for
XYZ(46.8153, 22.3090, 96.4464)
contains.

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Color

**XYZ(46.8361, 22.3134,
96.4461)**

Conversions

Conversions Part 1

Format	Color
Hex	D90FFF
RGB	217, 15, 255
RGB Percent	85%, 6%, 100%
CMY	0.1490, 0.9411, 0.0000
CMYK	0.15, 0.94, 0.00, 0.00
HSL	290°, 100%, 53%
HSV	290°, 94%, 100%
XYZ	46.8361, 22.3134, 96.4461
YIQ	102.7580, 43.3520, 117.4640

Conversions

Conversions Part 2

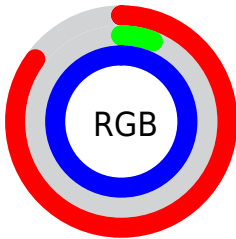
Format	Color
R _Y B	217, 15, 255
Decimal	14225407
CIE Lab	54.36, 91.66, -70.77
CIE LCh	54, 115.801, 322.329
Yxy	22.3134, 0.2828, 0.1347
Android (android.graphics.Color)	4292415487 (0xFFD90FFF)
YUV	102.7580, 75.0553, 100.1902
Hunter-Lab	47.2371, 94.3200, -87.9892

Details

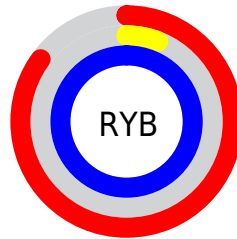
The XYZ color **46.8361, 22.3134, 96.4461** is a light color, and the websafe version is hex **CC00FF**. The color can be described as light saturated magenta. A complement of this color would be **37.3155, 72.3119, 12.4436**, and the grayscale version is **12.6324, 13.2903, 14.4731**.

A 20% lighter version of the original color is **64.0414, 37.9827, 98.5638**, and **23.7883, 11.0991, 53.7119** is the 20% darker color. If you saturate the color by 10%, you get **45.9641, 21.6102, 96.3564**, and if you desaturate by 10%, it is **48.6574, 24.1513, 96.7049**.

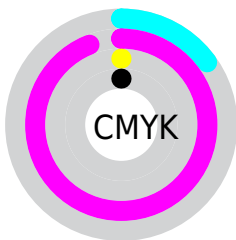
Distribution



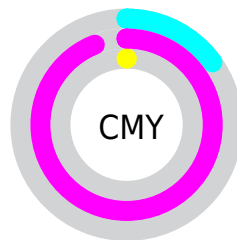
- Red (85%)
- Green (6%)
- Blue (100%)



- Red (85%)
- Yellow (6%)
- Blue (100%)



- Cyan (15%)
- Magenta (94%)
- Yellow (0%)
- Black (0%)





- Cyan (15%)
- Magenta (94%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.8361, 22.3134, 96.4461 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 46.8361, 22.3134, 96.4461 by changing the saturation by 10% instead.


 46.8361, 22.3134,
96.4461

 46.8361, 22.3134,
96.4461

364.8198,
264.1786, 569.8864


 33.1135, 14.0874,
72.7356


 84.6892, 47.2634,
158.2737


 22.3731, 8.1815,
53.2693


 109.5503, 64.7562,
197.2278


 14.2494, 4.2113,
37.6286

 138.8551, 86.1067,
242.1003

 8.3772, 1.7924,
25.3950

 172.9687,
111.6993, 293.3097

 4.3911, 0.4825,
16.1499

 212.2567,
141.9184, 351.2744

 1.9257, 0.0000,
9.4748

257.0843,

 0.5917, 0.0000,

177.1484, 416.4131

4.9511

307.8168,
217.7736, 489.1442

■ 0.0000, 0.0000,
2.1604

■ 0.0000, 0.0000,
0.6514

■ 46.8361, 22.3134,
96.4461

■ 46.8361, 22.3134,
96.4461

■ 45.9641, 21.6102,
96.3564

■ 48.6574, 24.1513,
96.7049

■ 51.0749, 27.1388,
97.1541

■ 54.1856, 31.4684,
97.8259

■ 58.0678, 37.2966,
98.7462

62.7892, 44.7585,
99.9376

68.4098, 53.9736,
101.4201

74.9840, 65.0506,
103.2117

82.5618, 78.0890,
105.3290

91.1896, 93.1815,
107.7874

Harmonies

Analogous

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



31.8423, 22.3134, 162.2174



46.8361, 22.3134, 96.4461



55.5464, 22.3134, 34.8164

Triad

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



46.8361, 22.3134, 96.4461



24.6192, 22.3134, 0.0000



5.7384, 22.3134, 61.4768

Complementary

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



46.8361, 22.3134, 96.4461



37.3155, 72.3119, 12.4436

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.



5.0931, 22.3134, 16.1414



46.8361, 22.3134, 96.4461



13.2523, 22.3134, 0.0000

Square

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



46.8361, 22.3134, 96.4461



39.7894, 22.3134, 0.1440



7.2047, 22.3134, 1.7568



9.5563, 22.3134, 131.4646

Rectangle

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



46.8361, 22.3134, 96.4461



54.8974, 22.3134, 12.2611



7.2047, 22.3134, 1.7568



5.2267, 22.3134, 42.3867

Sweetspot

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



46.8371, 22.3143, 96.4462



72.3099, 60.5136, 102.4769



19.6143, 10.0557, 95.5149



14.8797, 11.9480, 21.7719



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.



46.8371, 22.3143, 96.4462



45.9641, 21.6102, 96.3564



49.1496, 24.6976, 42.7375



18.4936, 18.1462, 22.7778



24.1230, 11.3464, 50.3532



2.4212, 1.1421, 4.9061

Inverse Universe

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



42.0541, 21.8594, 5.3731



41.6294, 21.4158, 3.9807



38.0235, 72.4482, 22.8095



18.1266, 18.0340, 19.2840



21.7868, 11.2040, 2.2616



2.1534, 1.1037, 0.3894

Previews

White Background



This preview shows how the XYZ color 46.8361, 22.3134, 96.4461 looks on a white background.

Color Contrast Check

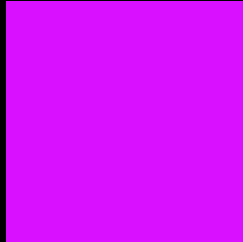
Large Text (above 18pt) WCAG AA ✓ Pass

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 46.8361, 22.3134, 96.4461 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

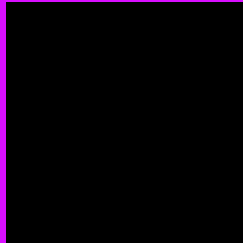
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 46.8361, 22.3134, 96.4461

Background



This preview shows how black text looks on a background with the XYZ color 46.8361, 22.3134, 96.4461.



This preview shows how white text looks on a background with the XYZ color 46.8361, 22.3134,

96.4461.

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

46.8361, 22.3134, 96.4461

Protanopia

26.8583, 23.0271, 97.6368

Deuteranopia

23.3829, 22.7732, 81.7605



Tritanopia

30.3864, 22.2604, 16.8825

Trichromacy



Original Color

46.8361, 22.3134, 96.4461



Protanomaly

27.6845, 17.1268, 96.4544



Deuteranomaly

22.9076, 15.3854, 85.7667



Tritanomaly

33.5250, 19.7909, 35.7713

Monochromacy



Original Color

46.8361, 22.3134, 96.4461



Achromatopsia

12.8919, 13.5633, 14.7705



Achromatomaly

19.9264, 12.9044, 33.7883

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.8361, 22.3134, 96.4461 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, 15, 255)` looks like.

```
.text, #text, p{  
    color:rgb(217, 15, 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, 15, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 15, 255) }
```

Border

The CSS property to change the border of an element to XYZ 46.8361, 22.3134, 96.4461 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, 15, 255) }
```


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

```
.border{ border-color:rgb(217, 15, 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, 15, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 15, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 15, 255);  
box-shadow:4px 4px 4px 4px rgb(217, 15,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 46.8361, 22.3134, 96.4461 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 15, 255) }
```

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

```
.background{ background-color: rgb(217, 15,  
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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