

Converting Colors

XYZ(46.5391, 23.4684, 29.5611)

Have a look what the booklet for
XYZ(46.5391, 23.4684, 29.5611)
contains.

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Color

**XYZ(46.5607, 23.4751,
29.6809)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | FF0593 |
| RGB | 255, 5, 147 |
| RGB Percent | 100%, 2%, 58% |
| CMY | 0.0000, 0.9801, 0.4235 |
| CMYK | 0.00, 0.98, 0.42, 0.00 |
| HSL | 326°, 100%, 51% |
| HSV | 326°, 98%, 100% |
| XYZ | 46.5607, 23.4751, 29.6809 |
| YIQ | 95.9380, 103.4180, 97.1620 |

Conversions

Conversions Part 2

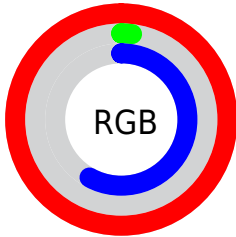
| Format | Color |
|-------------------------------------|-------------------------------|
| RYB | 255, 5, 147 |
| Decimal | 16713107 |
| CIELab | 55.56, 85.71, -6.30 |
| CIELCh | 56, 85.942, 355.795 |
| Yxy | 23.4751, 0.4669, 0.2354 |
| Android (android.graphics.Color) | 4294903187 (0xFFFF0593) |
| YUV | 95.9380, 25.1736, 139.4974 |
| Hunter-Lab | 48.4511, 86.7461, -2.4050 |

Details

The XYZ color **46.5607, 23.4751, 29.6809** is a dark color, and the websafe version is hex **FF0099**. The color can be described as middle saturated rose. A complement of this color would be **38.8075, 72.7462, 27.6374**, and the grayscale version is **11.0351, 11.6098, 12.6431**.

A 20% lighter version of the original color is **56.4363, 34.7844, 58.9979**, and **23.8959, 12.0695, 12.3795** is the 20% darker color. If you saturate the color by 10%, you get **46.3363, 23.2985, 28.7672**, and if you desaturate by 10%, it is **47.8918, 24.6866, 34.5972**.

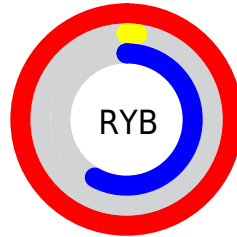
Distribution



Red (100%)

Green (2%)

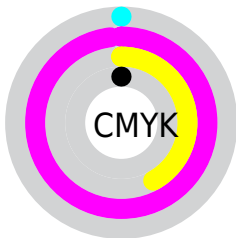
Blue (58%)



Red (100%)

Yellow (2%)

Blue (58%)

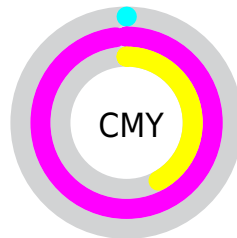


Cyan (0%)

Magenta (98%)

Yellow (42%)

Black (0%)



Cyan (0%)


Magenta (98%)

Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.5607, 23.4751, 29.6809 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 46.5607, 23.4751, 29.6809 by changing the saturation by 10% instead.


 46.5607, 23.4751,
29.6809


 46.5607, 23.4751,
29.6809


363.7366,
270.1559, 314.5751


 32.8950, 14.9447,
19.3465


 84.2803, 49.1723,
60.2122


 22.2049, 8.7806,
11.7416


 109.0648, 67.1078,
81.2462


 14.1250, 4.5983,
6.4476


 138.2864, 88.9473,
106.6838

 8.2899, 2.0136,
3.0459

 172.3103,
115.0749, 136.9436

 4.3344, 0.6153,
1.1181

 211.5019,
145.8752, 172.4441

 1.8930, 0.0000,
0.0000

256.2266,

 0.5728, 0.0000,

181.7326, 213.6038

0.0000

306.8497,
223.0313, 260.8413

■ 0.0000, 0.0000,
0.0000

■ 46.5607, 23.4751,
29.6809

■ 46.5607, 23.4751,
29.6809

■ 46.3363, 23.2985,
28.7672

■ 47.8918, 24.6866,
34.5972

■ 49.8221, 26.9604,
40.1327

■ 52.4684, 30.5265,
46.3370

■ 55.9165, 35.5535,
53.2490

■ 60.2396, 42.1844,
60.9029

65.5021, 50.5451,
69.3297

71.7622, 60.7487,
78.5579

79.0730, 72.8987,
88.6144

87.4838, 87.0910,
99.5242

Harmonies

Analogous

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



41.5647, 23.4751, 68.8817



46.5607, 23.4751, 29.6809



43.6700, 23.4751, 8.6507

Triad

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



46.5607, 23.4751, 29.6809



15.1407, 23.4751, 1.3246



13.3841, 23.4751, 100.0723

Complementary

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



46.5607, 23.4751, 29.6809



38.8075, 72.7462, 27.6374

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.



9.3803, 23.4751, 56.5610



46.5607, 23.4751, 29.6809



10.1690, 23.4751, 5.7564

Square

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



46.5607, 23.4751, 29.6809



23.7082, 23.4751, 0.7047



8.4017, 23.4751, 21.8401



20.9724, 23.4751, 124.4092

Rectangle

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



46.5607, 23.4751, 29.6809



38.0063, 23.4751, 3.2077



8.4017, 23.4751, 21.8401



11.6711, 23.4751, 86.1530

Sweetspot

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



46.5614, 23.4765, 29.6813



71.0995, 59.6583, 77.6122



24.4367, 10.5940, 95.3644



14.6291, 11.8053, 15.7556



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.



46.5614, 23.4765, 29.6813



46.3364, 23.2986, 28.7672



41.4801, 21.4440, 2.9238



18.4416, 18.1599, 20.9426



24.2881, 12.2045, 15.4336



2.4197, 1.2102, 1.7914

Inverse Universe

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



46.5614, 23.4765, 29.6813



46.3364, 23.2986, 28.7672



50.6993, 77.5029, 90.2587



18.4416, 18.1599, 20.9426



24.2881, 12.2045, 15.4336



2.4197, 1.2102, 1.7914

Previews

White Background



This preview shows how the XYZ color 46.5607, 23.4751, 29.6809 looks on a white background.

Color Contrast Check

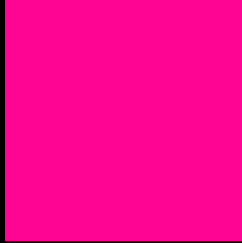
Large Text (above 18pt) WCAG AA ✓ Pass

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 46.5607, 23.4751, 29.6809 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 46.5607, 23.4751, 29.6809

Background



This preview shows how black text looks on a background with the XYZ color 46.5607, 23.4751, 29.6809.



This preview shows how white text looks on a background with the XYZ color 46.5607, 23.4751,

29.6809.

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

46.5607, 23.4751, 29.6809

Protanopia

25.8348, 24.2089, 64.9392

Deuteranopia

24.2806, 23.8538, 26.6171



Tritanopia

41.7530, 23.6763, 6.6443

Trichromacy



Original Color

46.5607, 23.4751, 29.6809



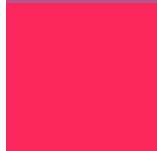
Protanomaly

26.9021, 17.7600, 49.5871



Deuteranomaly

28.2318, 18.8296, 26.9574



Tritanomaly

42.8022, 22.9192, 12.2931

Monochromacy



Original Color

46.5607, 23.4751, 29.6809



Achromatopsia

11.1181, 11.6971, 12.7381



Achromatomaly

18.1984, 11.6628, 17.5116

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.5607, 23.4751, 29.6809 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(255, 5, 147)` looks like.

```
.text, #text, p{  
    color:rgb(255, 5, 147)  
}
```

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(255, 5, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 5, 147) }
```

Border

The CSS property to change the border of an element to XYZ 46.5607, 23.4751, 29.6809 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(255, 5, 147) }
```


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

```
.border{ border-color:rgb(255, 5, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 5, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 5, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 5, 147);  
box-shadow:4px 4px 4px 4px rgb(255, 5,  
147) }
```

Background

The CSS property to change the background color of an element to XYZ 46.5607, 23.4751, 29.6809 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 5, 147) }
```

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

```
.background{ background-color: rgb(255, 5,  
147) }
```

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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