

Converting Colors

XYZ(46.4733, 23.3533, 29.4884)

Have a look what the booklet for
XYZ(46.4733, 23.3533, 29.4884)
contains.

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Color

**XYZ(46.5065, 23.3666,
29.6628)**

Conversions

Conversions Part 1

Format	Color
Hex	FF0093
RGB	255, 0, 147
RGB Percent	100%, 0%, 58%
CMY	0.0000, 0.9998, 0.4235
CMYK	0.00, 1.00, 0.42, 0.00
HSL	325°, 100%, 50%
HSV	325°, 100%, 100%
XYZ	46.5065, 23.3666, 29.6628
YIQ	93.0030, 104.7930, 99.7770

Conversions

Conversions Part 2

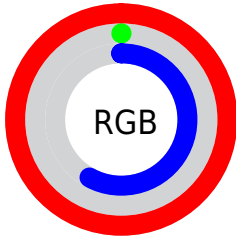
Format	Color
R_YB	255, 0, 147
Decimal	16711827
CIE _{Lab}	55.45, 86.03, -6.47
CIE _{LCh}	55, 86.276, 355.702
Yxy	23.3666, 0.4672, 0.2348
Android (android.graphics.Color)	4294901907 (0xFFFF0093)
YUV	93.0030, 26.6205, 142.0714
Hunter-Lab	48.3390, 87.1399, -2.5455

Details

The XYZ color **46.5065, 23.3666, 29.6628** 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 **38.4709, 72.6044, 26.1914**, and the grayscale version is **10.3362, 10.8745, 11.8423**.

A 20% lighter version of the original color is **56.3398, 34.5914, 58.9657**, and **23.8959, 12.0695, 12.3795** is the 20% darker color. If you saturate the color by 10%, you get **46.5044, 23.3657, 29.6518**, and if you desaturate by 10%, it is **47.7544, 24.4414, 34.4596**.

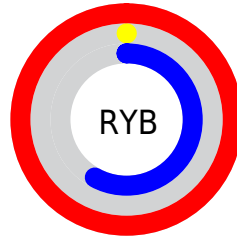
Distribution



Red (100%)

Green (0%)

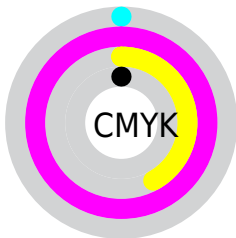
Blue (58%)



Red (100%)

Yellow (0%)

Blue (58%)

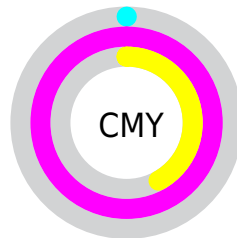


Cyan (0%)

Magenta (100%)

Yellow (42%)

Black (0%)



Cyan (0%)


Magenta (100%)

Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.5065, 23.3666, 29.6628 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 46.5065, 23.3666, 29.6628 by changing the saturation by 10% instead.

 46.5065, 23.3666,
29.6628


 46.5065, 23.3666,
29.6628


363.5231,
269.6024, 314.4877

 32.8520, 14.8644,
19.3329


 84.1997, 48.9946,
60.1832


 22.1718, 8.7243,
11.7318


 108.9692, 66.8892,
81.2108


 14.1005, 4.5618,
6.4410


 138.1744, 88.6834,
106.6413

 8.2728, 1.9925,
3.0420

 172.1806,
114.7616, 136.8934

 4.3232, 0.6031,
1.1161

 211.3532,
145.5082, 172.3856

 1.8866, 0.0000,
0.0000

256.0576,

 0.5690, 0.0000,

181.3076, 213.5363

0.0000

306.6591,
222.5442, 260.7642

■ 0.0000, 0.0000,
0.0000

■ 46.5065, 23.3666,
29.6628

■ 46.5065, 23.3666,
29.6628

■ 46.5044, 23.3657,
29.6518

■ 47.7544, 24.4414,
34.4596

■ 49.5510, 26.4830,
39.8424

■ 52.0415, 29.7781,
45.8695

■ 55.3149, 34.5021,
52.5803

■ 59.4465, 40.8024,
60.0092

■ 64.5021, 48.8074,
68.1870

■ 70.5407, 58.6326,
77.1423

■ 77.6162, 70.3832,
86.9014

■ 85.7787, 84.1562,
97.4893

Harmonies

Analogous

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



41.4733, 23.3666, 69.0179



46.5065, 23.3666, 29.6628



43.6312, 23.3666, 8.5875

Triad

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



46.5065, 23.3666, 29.6628



15.0579, 23.3666, 1.2775



13.2642, 23.3666, 100.0836

Complementary

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



46.5065, 23.3666, 29.6628



38.4709, 72.6044, 26.1914

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.



9.2787, 23.3666, 56.3807



46.5065, 23.3666, 29.6628



10.0826, 23.3666, 5.6435

Square

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



46.5065, 23.3666, 29.6628



23.6378, 23.3666, 0.6688



8.3116, 23.3666, 21.6423



20.8394, 23.3666, 124.6460

Rectangle

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



46.5065, 23.3666, 29.6628



37.9622, 23.3666, 3.1562



8.3116, 23.3666, 21.6423



11.5574, 23.3666, 86.0854

Sweetspot

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



46.5072, 23.3680, 29.6632



70.5244, 58.6059, 77.1190



24.0287, 10.3032, 95.3300



14.5240, 11.6088, 15.6780



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.



46.5072, 23.3680, 29.6632



46.5044, 23.3658, 29.6518



41.3789, 21.3167, 2.6582



18.4483, 18.1626, 20.9778



24.3758, 12.2396, 15.8954



2.4280, 1.2136, 1.8355

Inverse Universe

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



46.5072, 23.3680, 29.6632



46.5044, 23.3658, 29.6518



50.5769, 77.4468, 89.9407



18.4483, 18.1626, 20.9778



24.3758, 12.2396, 15.8954



2.4280, 1.2136, 1.8355

Previews

White Background



This preview shows how the XYZ color 46.5065, 23.3666, 29.6628 looks on a white background.

Color Contrast Check

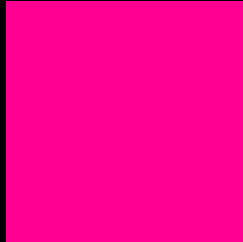
Large Text (above 18pt) WCAG AA ✓ Pass

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 46.5065, 23.3666, 29.6628 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 46.5065, 23.3666, 29.6628

Background



This preview shows how black text looks on a background with the XYZ color 46.5065, 23.3666, 29.6628.



This preview shows how white text looks on a background with the XYZ color 46.5065, 23.3666,

29.6628.

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

46.5065, 23.3666, 29.6628

Protanopia

25.7181, 24.1487, 64.9337

Deuteranopia

24.2806, 23.8538, 26.6171



Tritanopia

41.7530, 23.6763, 6.6443

Trichromacy



Original Color

46.5065, 23.3666, 29.6628



Protanomaly

26.5455, 17.3424, 49.5253



Deuteranomaly

28.0766, 18.5191, 26.9057



Tritanomaly

42.7382, 22.7913, 12.2718

Monochromacy



Original Color

46.5065, 23.3666, 29.6628



Achromatopsia

10.4043, 10.9462, 11.9204



Achromatomaly

17.4935, 10.9956, 16.8231

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.5065, 23.3666, 29.6628 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, 0, 147)` looks like.

```
.text, #text, p{  
    color:rgb(255, 0, 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, 0, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 0, 147) }
```

Border

The CSS property to change the border of an element to XYZ 46.5065, 23.3666, 29.6628 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, 0, 147) }
```


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

```
.border{ border-color:rgb(255, 0, 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, 0, 147) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 0, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 0, 147);  
box-shadow:4px 4px 4px 4px rgb(255, 0,  
147) }
```

Background

The CSS property to change the background color of an element to XYZ 46.5065, 23.3666, 29.6628 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 0, 147) }
```

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

```
.background{ background-color: rgb(255, 0,  
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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