

Converting Colors

XYZ(46.5349, 23.6811, 28.8781)

Have a look what the booklet for
XYZ(46.5349, 23.6811, 28.8781)
contains.

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Color

**XYZ(46.5361, 23.6749,
28.9051)**

Conversions

Conversions Part 1

Format	Color
Hex	FF1091
RGB	255, 16, 145
RGB Percent	100%, 6%, 57%
CMY	0.0000, 0.9371, 0.4314
CMYK	0.00, 0.94, 0.43, 0.00
HSL	328°, 100%, 53%
HSV	328°, 94%, 100%
XYZ	46.5361, 23.6749, 28.9051
YIQ	102.1670, 101.0350, 90.7870

Conversions

Conversions Part 2

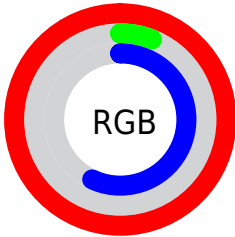
Format	Color
R_{YB}	255, 16, 145
Decimal	16715921
CIE _{Lab}	55.76, 84.77, -4.81
CIE _{LCh}	56, 84.905, 356.750
Yxy	23.6749, 0.4695, 0.2389
Android (android.graphics.Color)	4294906001 (0xFFFF1091)
YUV	102.1670, 21.1167, 134.0345
Hunter-Lab	48.6569, 85.5704, -1.1620

Details

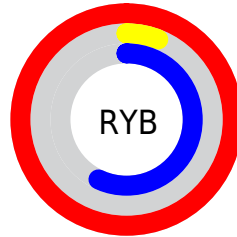
The XYZ color **46.5361, 23.6749, 28.9051** is a dark color, and the websafe version is hex **FF0099**. The color can be described as middle washed rose. A complement of this color would be **39.7433, 73.1380, 31.7768**, and the grayscale version is **12.6077, 13.2643, 14.4448**.

A 20% lighter version of the original color is **56.3991, 35.0840, 57.8322**, and **23.8038, 12.0327, 11.8944** is the 20% darker color. If you saturate the color by 10%, you get **45.7994, 23.0837, 25.9399**, and if you desaturate by 10%, it is **48.1154, 25.3094, 34.1309**.

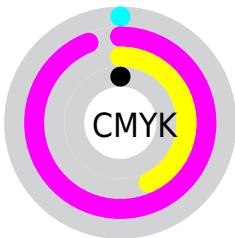
Distribution



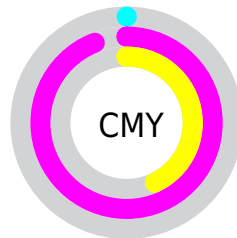
- Red (100%)
- Green (6%)
- Blue (57%)



- Red (100%)
- Yellow (6%)
- Blue (57%)



- Cyan (0%)
- Magenta (94%)
- Yellow (43%)
- Black (0%)





- Cyan (0%)
- Magenta (94%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.5361, 23.6749, 28.9051 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 46.5361, 23.6749, 28.9051 by changing the saturation by 10% instead.


 46.5361, 23.6749,
28.9051


 46.5361, 23.6749,
28.9051


363.6397,
271.1727, 310.8138


 32.8755, 15.0926,
18.7641


 84.2437, 49.4992,
58.9667


 22.1899, 8.8844,
11.3248


 109.0214, 67.5099,
79.7243


 14.1139, 4.6659,
6.1689


 138.2355, 89.4324,
104.8579

 8.2821, 2.0526,
2.8776


 172.2514,
115.6508, 134.7859

 4.3293, 0.6378,
1.0325

 211.4344,
146.5497, 169.9270

 1.8901, 0.0000,
0.0000

256.1499,

 0.5711, 0.0000,

182.5134, 210.6997

0.0000

306.7632,
223.9262, 257.5224

■ 0.0000, 0.0000,
0.0000

■ 46.5361, 23.6749,
28.9051

■ 46.5361, 23.6749,
28.9051

■ 45.7994, 23.0837,
25.9399

■ 48.1154, 25.3094,
34.1309

■ 50.3623, 28.1249,
40.0538

■ 53.3749, 32.3135,
46.7196

■ 57.2333, 38.0317,
54.1674

■ 62.0071, 45.4145,
62.4320

67.7580, 54.5820,
71.5458

74.5424, 65.6430,
81.5384

82.4121, 78.6977,
92.4380

91.4152, 93.8391,
104.2710

Harmonies

Analogous

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



41.8285, 23.6749, 67.1969



46.5361, 23.6749, 28.9051



43.4369, 23.6749, 8.5098

Triad

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



46.5361, 23.6749, 28.9051



15.1498, 23.6749, 1.4965



13.7947, 23.6749, 100.5016

Complementary

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



46.5361, 23.6749, 28.9051



39.7433, 73.1380, 31.7768

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.



9.6797, 23.6749, 57.8021



46.5361, 23.6749, 28.9051



10.2908, 23.6749, 6.2555

Square

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



46.5361, 23.6749, 28.9051



23.5692, 23.6749, 0.7950



8.6087, 23.6749, 22.8849



21.4680, 23.6749, 123.3537

Rectangle

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



46.5361, 23.6749, 28.9051



37.7366, 23.6749, 3.2254



8.6087, 23.6749, 22.8849



12.0439, 23.6749, 86.9721

Sweetspot

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



46.5368, 23.6763, 28.9055



71.5000, 60.6560, 77.1392



26.4870, 11.8455, 95.4979



14.6916, 11.9875, 15.6000



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.



46.5368, 23.6763, 28.9055



45.7995, 23.0838, 25.9400



41.6354, 21.7157, 3.0954



18.4193, 18.1510, 20.8253



24.0075, 12.0923, 13.9560



2.3927, 1.1995, 1.6495

Inverse Universe

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



46.5368, 23.6763, 28.9055



45.7995, 23.0838, 25.9400



52.1599, 78.1046, 97.1619



18.4193, 18.1510, 20.8253



24.0075, 12.0923, 13.9560



2.3927, 1.1995, 1.6495

Previews

White Background



This preview shows how the XYZ color 46.5361, 23.6749, 28.9051 looks on a white background.

Color Contrast Check

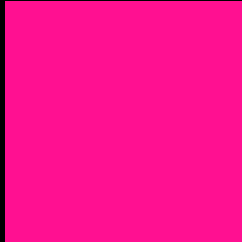
Large Text (above 18pt) WCAG AA ✓ Pass

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 46.5361, 23.6749, 28.9051 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

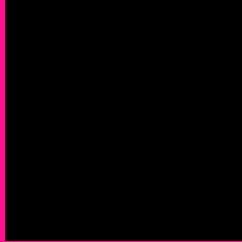
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 46.5361, 23.6749, 28.9051

Background



This preview shows how black text looks on a background with the XYZ color 46.5361, 23.6749, 28.9051.



This preview shows how white text looks on a background with the XYZ color 46.5361, 23.6749,

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

46.5361, 23.6749, 28.9051

Protanopia

25.5772, 24.1333, 62.3416

Deuteranopia

24.3183, 23.8895, 25.8837



Tritanopia

41.8039, 23.7782, 6.6613

Trichromacy



Original Color

46.5361, 23.6749, 28.9051



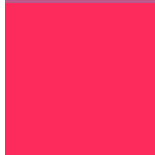
Protanomaly

27.0058, 18.3501, 47.4660



Deuteranomaly

28.4095, 19.4188, 26.2956



Tritanomaly

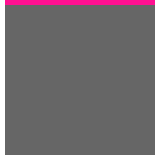
42.8971, 23.1785, 12.1105

Monochromacy



Original Color

46.5361, 23.6749, 28.9051



Achromatopsia

12.6291, 13.2868, 14.4694



Achromatomaly

19.6238, 13.0836, 18.6306

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.5361, 23.6749, 28.9051 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, 16, 145)` looks like.

```
.text, #text, p{  
    color:rgb(255, 16, 145)  
}
```

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, 16, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 16, 145) }
```

Border

The CSS property to change the border of an element to XYZ 46.5361, 23.6749, 28.9051 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, 16, 145) }
```


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

```
.border{ border-color:rgb(255, 16, 145) }
```

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

Here you see how a box with a 4 pixel rgb(255, 16, 145) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 16, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 16, 145);  
box-shadow:4px 4px 4px 4px rgb(255, 16,  
145) }
```

Background

The CSS property to change the background color of an element to XYZ 46.5361, 23.6749, 28.9051 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 16, 145) }
```

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

```
.background{ background-color: rgb(255, 16,  
145) }
```

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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