

Converting Colors

XYZ(46.8419, 23.6779, 30.8832)

Have a look what the booklet for
XYZ(46.8419, 23.6779, 30.8832)
contains.

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Color

**XYZ(46.8536, 23.6791,
30.9552)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | FF0A96 |
| RGB | 255, 10, 150 |
| RGB Percent | 100%, 4%, 59% |
| CMY | 0.0000, 0.9605, 0.4118 |
| CMYK | 0.00, 0.96, 0.41, 0.00 |
| HSL | 326°, 100%, 52% |
| HSV | 326°, 96%, 100% |
| XYZ | 46.8536, 23.6791, 30.9552 |
| YIQ | 99.2150, 101.0800, 95.4800 |

Conversions

Conversions Part 2

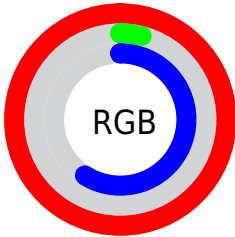
| Format | Color |
|-------------------------------------|-------------------------------|
| R_{YB} | 255, 10, 150 |
| Decimal | 16714390 |
| CIE _{Lab} | 55.77, 85.64, -7.78 |
| CIE _{LCh} | 56, 85.997, 354.812 |
| Yxy | 23.6791, 0.4617, 0.2333 |
| Android (android.graphics.Color) | 4294904470 (0xFFFF0A96) |
| YUV | 99.2150, 25.0370, 136.6234 |
| Hunter-Lab | 48.6612, 86.7124, -3.6538 |

Details

The XYZ color **46.8536, 23.6791, 30.9552** 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 **38.9841, 72.8242, 28.2404**, and the grayscale version is **11.8438, 12.4606, 13.5696**.

A 20% lighter version of the original color is **56.8905, 35.1224, 60.9076**, and **23.9904, 12.1073, 12.8769** is the 20% darker color. If you saturate the color by 10%, you get **46.4039, 23.3256, 29.1229**, and if you desaturate by 10%, it is **48.2847, 25.0663, 35.9800**.

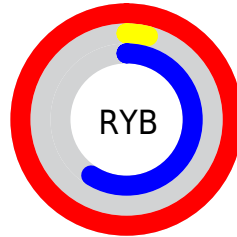
Distribution



Red (100%)

Green (4%)

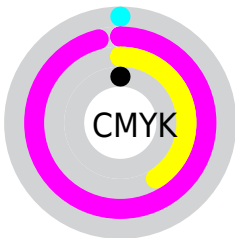
Blue (59%)



Red (100%)

Yellow (4%)

Blue (59%)

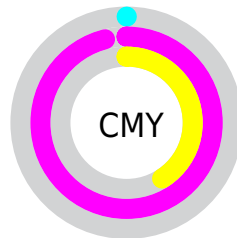


Cyan (0%)

Magenta (96%)

Yellow (41%)

Black (0%)



Cyan (0%)


Magenta (96%)


Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.8536, 23.6791, 30.9552 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 46.8536, 23.6791, 30.9552 by changing the saturation by 10% instead.


 46.8536, 23.6791,
30.9552


 46.8536, 23.6791,
30.9552


364.8885,
271.1941, 320.6767


 33.1274, 15.0957,
20.3066


 84.7151, 49.5060,
62.2483


 22.3838, 8.8866,
12.4318


 109.5812, 67.5184,
83.7298


 14.2573, 4.6673,
6.9124


 138.8912, 89.4426,
109.6594

 8.3828, 2.0534,
3.3297

 173.0105,
115.6629, 140.4555

 4.3947, 0.6382,
1.2654

 212.3046,
146.5638, 176.5368

 1.9278, 0.0000,
0.0332

257.1387,

 0.5929, 0.0000,

182.5297, 218.3217

0.0000

307.8782,
223.9450, 266.2288

■ 0.0000, 0.0000,
0.0000

■ 46.8536, 23.6791,
30.9552

■ 46.8536, 23.6791,
30.9552

■ 46.4039, 23.3256,
29.1229

■ 48.2847, 25.0663,
35.9800

■ 50.3454, 27.5775,
41.6303

■ 53.1388, 31.4162,
47.9508

■ 56.7480, 36.7450,
54.9791

■ 61.2440, 43.7031,
62.7484

66.6899, 52.4134,
71.2890

73.1427, 62.9871,
80.6287

80.6546, 75.5259,
90.7938

89.2743, 90.1243,
101.8089

Harmonies

Analogous

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



41.5965, 23.6791, 70.8247



46.8536, 23.6791, 30.9552



44.2054, 23.6791, 9.1632

Triad

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



46.8536, 23.6791, 30.9552



15.5124, 23.6791, 1.2969



13.3298, 23.6791, 99.3981

Complementary

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



46.8536, 23.6791, 30.9552



38.9841, 72.8242, 28.2404

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.



9.4061, 23.6791, 55.5613



46.8536, 23.6791, 30.9552



10.3871, 23.6791, 5.5548

Square

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



46.8536, 23.6791, 30.9552



24.2466, 23.6791, 0.7342



8.5105, 23.6791, 21.2208



20.8513, 23.6791, 124.9280

Rectangle

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



46.8536, 23.6791, 30.9552



38.6216, 23.6791, 3.4233



8.5105, 23.6791, 21.2208



11.6436, 23.6791, 85.2598

Sweetspot

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



46.8543, 23.6805, 30.9556



71.1337, 59.6719, 77.7923



24.8566, 10.8911, 95.3998



14.6373, 11.8085, 15.7987



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.



46.8543, 23.6805, 30.9556



46.4039, 23.3256, 29.1229



41.5897, 21.5746, 3.2326



18.4443, 18.1610, 20.9568



24.3234, 12.2186, 15.6193



2.4230, 1.2116, 1.8092

Inverse Universe

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



46.8543, 23.6805, 30.9556



46.4039, 23.3256, 29.1229



50.8220, 77.5593, 90.5778



18.4443, 18.1610, 20.9568



24.3234, 12.2186, 15.6193



2.4230, 1.2116, 1.8092

Previews

White Background



This preview shows how the XYZ color 46.8536, 23.6791, 30.9552 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 46.8536, 23.6791, 30.9552 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 46.8536, 23.6791, 30.9552

Background



This preview shows how black text looks on a background with the XYZ color 46.8536, 23.6791, 30.9552.



This preview shows how white text looks on a background with the XYZ color 46.8536, 23.6791,

30.9552.

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

46.8536, 23.6791, 30.9552

Protanopia

26.1105, 24.2924, 67.6027

Deuteranopia

24.3199, 23.8491, 27.7476



Tritanopia

41.8825, 23.8926, 6.8192

Trichromacy



Original Color

46.8536, 23.6791, 30.9552



Protanomaly

26.9942, 18.0101, 51.3438



Deuteranomaly

28.2933, 18.9530, 28.1537



Tritanomaly

42.9486, 23.1417, 12.5591

Monochromacy



Original Color

46.8536, 23.6791, 30.9552



Achromatopsia

11.8596, 12.4772, 13.5877



Achromatomaly

18.9875, 12.3902, 18.5303

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.8536, 23.6791, 30.9552 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, 10, 150)` looks like.

```
.text, #text, p{  
    color:rgb(255, 10, 150)  
}
```

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, 10, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 10, 150) }
```

Border

The CSS property to change the border of an element to XYZ 46.8536, 23.6791, 30.9552 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, 10, 150) }
```


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

```
.border{ border-color:rgb(255, 10, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 10, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 10, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 10, 150);  
box-shadow:4px 4px 4px 4px rgb(255, 10,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 46.8536, 23.6791, 30.9552 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 10, 150) }
```

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

```
.background{ background-color: rgb(255, 10,  
150) }
```

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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