

# Converting Colors

XYZ(46.1288, 23.0473, 35.2750)

Have a look what the booklet for  
XYZ(46.1288, 23.0473, 35.2750)  
contains.

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# Color

**XYZ(46.1288, 23.0473,  
35.2750)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FB00A0
RGB	251, 0, 160
RGB Percent	98%, 0%, 63%
CMY	0.0157, 0.9998, 0.3725
CMYK	0.00, 1.00, 0.36, 0.02
HSL	322°, 100%, 49%
HSV	322°, 100%, 98%
XYZ	46.1288, 23.0473, 35.2750
YIQ	93.2890, 98.2360, 102.9720

# Conversions

## Conversions Part 2

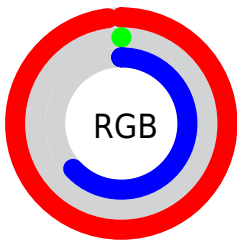
<b>Format</b>	<b>Color</b>
<b>RYB</b>	251, 0, 160
Decimal	16449696
CIELab	55.12, 86.37, -14.74
CIELCh	55, 87.622, 350.316
Yxy	23.0473, 0.4416, 0.2207
Android (android.graphics.Color)	4294639776 (0xFFFB00A0)
YUV	93.2890, 32.8885, 138.3125
Hunter-Lab	48.0076, 87.5010, -9.9598

# Details

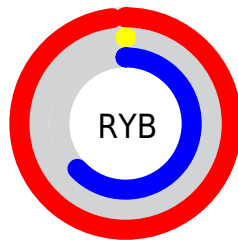
The XYZ color **46.1288, 23.0473, 35.2750** is a dark color, and the websafe version is hex **FF0099**. The color can be described as middle saturated rose. A complement of this color would be **36.3889, 69.7511, 21.4566**, and the grayscale version is **10.3894, 10.9304, 11.9032**.

A 20% lighter version of the original color is **58.0629, 35.2806, 68.0396**, and **23.4458, 11.7741, 15.2242** is the 20% darker color. If you saturate the color by 10%, you get **46.1269, 23.0465, 35.2650**, and if you desaturate by 10%, it is **47.3058, 24.0798, 39.7411**.

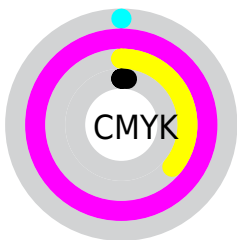
# Distribution



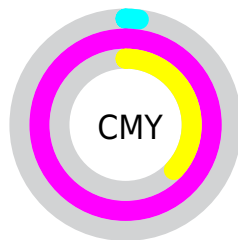
- Red (98%)
- Green (0%)
- Blue (63%)



- Red (98%)
- Yellow (0%)
- Blue (63%)



- Cyan (0%)
- Magenta (100%)
- Yellow (36%)
- Black (2%)




- Cyan (2%)
- Magenta (100%)
- Yellow (37%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 46.1288, 23.0473, 35.2750 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 46.1288, 23.0473, 35.2750 by changing the saturation by 10% instead.





 46.1288, 23.0473,  
35.2750


 46.1288, 23.0473,  
35.2750


362.0335,  
267.9678, 340.7216


 32.5525, 14.6284,  
23.5895


 83.6384, 48.4710,  
69.0680


 21.9415, 8.5590,  
14.8200


 108.3025, 66.2446,  
92.0126


 13.9303, 4.4547,  
8.5480


 137.3931, 87.9052,  
119.5473

 8.1535, 1.9310,  
4.3548

 171.2758,  
113.8373, 152.0906

 4.2460, 0.5669,  
1.8219

 210.3158,  
144.4252, 190.0612

 1.8422, 0.0000,  
0.4424

254.8785,

 0.5429, 0.0000,

180.0533, 233.8775

0.0000

305.3293,  
221.1061, 283.9581

■ 0.0000, 0.0000,  
0.0000

■ 46.1288, 23.0473,  
35.2750

■ 46.1288, 23.0473,  
35.2750

■ 46.1269, 23.0465,  
35.2650

■ 47.3058, 24.0798,  
39.7411

■ 48.9919, 26.0354,  
44.6704

■ 51.3268, 29.1915,  
50.1154

■ 54.3956, 33.7164,  
56.1099

■ 58.2697, 39.7513,  
62.6832

■ 63.0118, 47.4198,  
69.8616

■ 68.6781, 56.8325,  
77.6689

■ 75.3197, 68.0904,  
86.1272

■ 82.9843, 81.2865,  
95.2574

# Harmonies

## Analogous

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



39.7742, 23.0473, 77.5037



46.1288, 23.0473, 35.2750



44.6646, 23.0473, 10.6676

# Triad

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



46.1288, 23.0473, 35.2750



16.0099, 23.0473, 0.8994



11.9673, 23.0473, 93.4337

# Complementary

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



46.1288, 23.0473, 35.2750



36.3889, 69.7511, 21.4566

# 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.



8.5903, 23.0473, 48.7892



46.1288, 23.0473, 35.2750



10.3968, 23.0473, 4.0335

# Square

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



46.1288, 23.0473, 35.2750



25.2198, 23.0473, 0.6057



8.1167, 23.0473, 17.0896



18.8956, 23.0473, 124.2460



# Rectangle

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



46.1288, 23.0473, 35.2750



39.5763, 23.0473, 3.9006



8.1167, 23.0473, 17.0896



10.4780, 23.0473, 78.4717

# Sweetspot

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



46.1295, 23.0486, 35.2754



71.1609, 58.8605, 80.4707



21.4273, 9.0357, 91.8814



14.6755, 11.6695, 16.4760



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.



46.1295, 23.0486, 35.2754



47.8086, 23.8874, 36.5198



40.1294, 20.6486, 3.6791



17.7103, 17.4115, 20.3302



24.3185, 12.1431, 18.9176



2.3031, 1.1450, 2.0197



# Inverse Universe

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



46.1295, 23.0486, 35.2754



47.8086, 23.8874, 36.5198



46.5538, 73.8171, 74.9845



17.7103, 17.4115, 20.3302



24.3185, 12.1431, 18.9176



2.3031, 1.1450, 2.0197



# Previews

## White Background



This preview shows how the XYZ color 46.1288, 23.0473, 35.2750 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

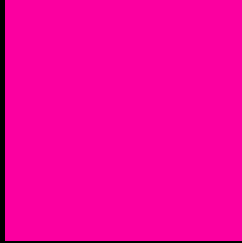
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 46.1288, 23.0473, 35.2750 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 46.1288, 23.0473, 35.2750**

## **Background**



This preview shows how black text looks on a background with the XYZ color 46.1288, 23.0473, 35.2750.



This preview shows how white text looks on a background with the XYZ color 46.1288, 23.0473,

35.2750.

# 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

46.1288, 23.0473, 35.2750

### Protanopia

26.3419, 23.7961, 77.3335

### Deuteranopia

24.0549, 23.6242, 31.7259



## Tritanopia

40.3878, 23.3491, 7.3792

# Trichromacy



## Original Color

46.1288, 23.0473, 35.2750



## Protanomaly

26.3868, 16.9357, 59.0049



## Deuteranomaly

27.6654, 18.1897, 32.1898



## Tritanomaly

41.4168, 22.2118, 14.1610

# Monochromacy



## Original Color

46.1288, 23.0473, 35.2750



## Achromatopsia

10.4043, 10.9462, 11.9204



## Achromatomaly

17.3525, 10.8963, 18.0182

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 46.1288, 23.0473, 35.2750 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(251, 0, 160)` looks like.

```
.text, #text, p{  
    color:rgb(251, 0, 160)  
}
```

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(251, 0, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 0, 160) }
```

## Border

The CSS property to change the border of an element to XYZ 46.1288, 23.0473, 35.2750 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(251, 0, 160) }
```



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

```
.border{ border-color:rgb(251, 0, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(251, 0, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 0, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 0, 160);  
box-shadow:4px 4px 4px 4px rgb(251, 0,  
160) }
```

# Background

The CSS property to change the background color of an element to XYZ 46.1288, 23.0473, 35.2750 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 0, 160) }
```

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

```
.background{ background-color: rgb(251, 0,  
160) }
```

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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