

# Converting Colors

XYZ(46.1440, 23.4622, 30.1399)

Have a look what the booklet for  
XYZ(46.1440, 23.4622, 30.1399)  
contains.

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# Color

**XYZ(46.0538, 23.4217,  
30.1105)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FD1194
RGB	253, 17, 148
RGB Percent	99%, 7%, 58%
CMY	0.0078, 0.9332, 0.4196
CMYK	0.00, 0.93, 0.42, 0.01
HSL	327°, 98%, 53%
HSV	327°, 93%, 99%
XYZ	46.0538, 23.4217, 30.1105
YIQ	102.4980, 98.6050, 90.7730

# Conversions

## Conversions Part 2

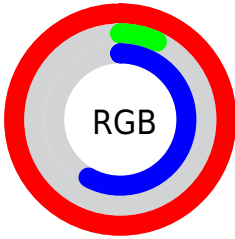
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">253, 17, 148</a>
Decimal	<a href="#">16585108</a>
CIELab	<a href="#">55.50, 84.51, -7.02</a>
CIElCh	<a href="#">56, 84.800, 355.252</a>
Yxy	<a href="#">23.4217, 0.4625, 0.2352</a>
Android (android.graphics.Color)	<a href="#">4294775188 (0xFFFD1194)</a>
YUV	<a href="#">102.4980, 22.4325, 131.9903</a>
Hunter-Lab	<a href="#">48.3960, 85.1684, -3.0113</a>

# Details

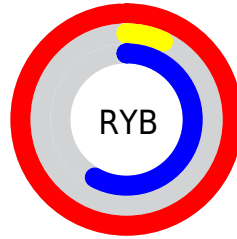
The XYZ color **46.0538, 23.4217, 30.1105** is a dark color, and the websafe version is hex **FF0099**. The color can be described as middle washed rose. A complement of this color would be **38.8728, 71.7764, 30.2322**, and the grayscale version is **12.6910, 13.3519, 14.5402**.

A 20% lighter version of the original color is **56.7509, 35.2248, 59.6851**, and **23.4398, 11.8290, 12.6031** is the 20% darker color. If you saturate the color by 10%, you get **45.2723, 22.7884, 26.9843**, and if you desaturate by 10%, it is **47.6287, 25.0753, 35.2485**.

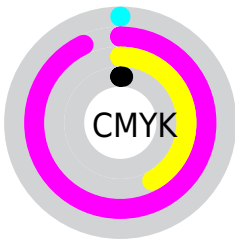
# Distribution



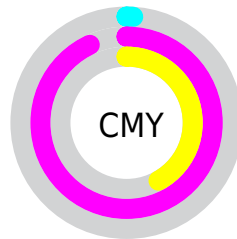
- Red (99%)
- Green (7%)
- Blue (58%)



- Red (99%)
- Yellow (7%)
- Blue (58%)



- Cyan (0%)
- Magenta (93%)
- Yellow (42%)
- Black (1%)




- Cyan (1%)
- Magenta (93%)
- Yellow (42%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 46.0538, 23.4217, 30.1105 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 46.0538, 23.4217, 30.1105 by changing the saturation by 10% instead.




 46.0538, 23.4217,  
30.1105


 46.0538, 23.4217,  
30.1105


361.7372,  
269.8836, 316.6425


 32.4931, 14.9052,  
19.6697


 83.5269, 49.0848,  
60.9000


 21.8958, 8.7529,  
11.9735


 108.1699, 67.0003,  
82.0857


 13.8965, 4.5803,  
6.6033


 137.2378, 88.8174,  
107.6902

 8.1299, 2.0032,  
3.1406

 171.0959,  
114.9208, 138.1319

 4.2307, 0.6093,  
1.1669

 210.1096,  
145.6947, 173.8295

 1.8335, 0.0000,  
0.0000

254.6441,

 0.5377, 0.0000,

181.5235, 215.2014

0.0000

305.0648,  
222.7917, 262.6662

■ 0.0000, 0.0000,  
0.0000

■ 46.0538, 23.4217,  
30.1105

■ 46.0538, 23.4217,  
30.1105

■ 45.2723, 22.7884,  
26.9843

■ 47.6287, 25.0753,  
35.2485

■ 49.8584, 27.8959,  
41.0439

■ 52.8378, 32.0698,  
47.5397

■ 56.6447, 37.7490,  
54.7728

■ 61.3467, 45.0652,  
62.7760

67.0038, 54.1355,  
71.5796

73.6709, 65.0662,  
81.2114

81.3983, 77.9551,  
91.6980

90.2331, 92.8931,  
103.0640

# Harmonies

## Analogous

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



41.0306, 23.4217, 68.7926



46.0538, 23.4217, 30.1105



43.3595, 23.4217, 8.9954

# Triad

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



46.0538, 23.4217, 30.1105



15.3068, 23.4217, 1.3761



13.3450, 23.4217, 97.7860

# Complementary

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



46.0538, 23.4217, 30.1105



38.8728, 71.7764, 30.2322

# 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.



9.4350, 23.4217, 55.1847



46.0538, 23.4217, 30.1105



10.3194, 23.4217, 5.7304

# Square

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



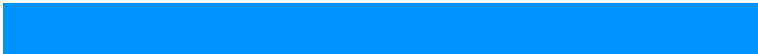
46.0538, 23.4217, 30.1105



23.8174, 23.4217, 0.7822



8.5117, 23.4217, 21.3899



20.7752, 23.4217, 122.1116



# Rectangle

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



46.0538, 23.4217, 30.1105



37.8648, 23.4217, 3.4124



8.5117, 23.4217, 21.3899



11.6696, 23.4217, 84.1092

# Sweetspot

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



46.0545, 23.4231, 30.1109



71.6474, 60.7150, 77.9156



25.5787, 11.4368, 93.7878



14.7270, 12.0016, 15.7862



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.



46.0545, 23.4231, 30.1109



46.0869, 23.1988, 27.4535



40.9805, 21.3935, 3.3918



18.4314, 18.1559, 20.8890



24.1578, 12.1524, 14.7474



2.4072, 1.2053, 1.7257



# Inverse Universe

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



46.0545, 23.4231, 30.1109



46.0869, 23.1988, 27.4535



50.6827, 76.5003, 92.4222



18.4314, 18.1559, 20.8890



24.1578, 12.1524, 14.7474



2.4072, 1.2053, 1.7257



# Previews

## White Background



This preview shows how the XYZ color 46.0538, 23.4217, 30.1105 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

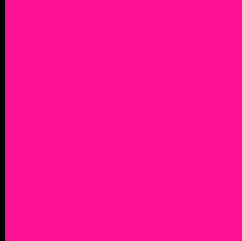
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 46.0538, 23.4217, 30.1105 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 46.0538, 23.4217, 30.1105**

## **Background**



This preview shows how black text looks on a background with the XYZ color 46.0538, 23.4217, 30.1105.



This preview shows how white text looks on a background with the XYZ color 46.0538, 23.4217,



# 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

46.0538, 23.4217, 30.1105

### Protanopia

25.5831, 23.8788, 64.8887

### Deuteranopia

24.1750, 23.7911, 26.9849



## Tritanopia

41.1968, 23.5360, 6.9290

# Trichromacy



## Original Color

46.0538, 23.4217, 30.1105



## Protanomaly

26.8338, 18.2123, 49.6780



## Deuteranomaly

28.1473, 19.2582, 27.4330



## Tritanomaly

42.3008, 22.9157, 12.5496

# Monochromacy



## Original Color

46.0538, 23.4217, 30.1105



## Achromatopsia

12.8919, 13.5633, 14.7705



## Achromatomaly

19.7477, 13.2357, 18.9667

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 46.0538, 23.4217, 30.1105 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(253, 17, 148)` looks like.

```
.text, #text, p{  
    color:rgb(253, 17, 148)  
}
```

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(253, 17, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 17, 148) }
```

## Border

The CSS property to change the border of an element to XYZ 46.0538, 23.4217, 30.1105 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(253, 17, 148) }
```



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

```
.border{ border-color:rgb(253, 17, 148) }
```

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

Here you see how a box with a 4 pixel rgb(253, 17, 148) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 17, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 17, 148);  
box-shadow:4px 4px 4px 4px rgb(253, 17,  
148) }
```

# Background

The CSS property to change the background color of an element to XYZ 46.0538, 23.4217, 30.1105 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 17, 148) }
```

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

```
.background{ background-color: rgb(253, 17,  
148) }
```

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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