

# Converting Colors

XYZ(44.6709, 23.2058, 18.2291)

Have a look what the booklet for  
XYZ(44.6709, 23.2058, 18.2291)  
contains.

<b>XYZ(44.7039, 23.2366, 18.3486)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(44.7039, 23.2366,  
18.3486)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF1A73
RGB	255, 26, 115
RGB Percent	100%, 10%, 45%
CMY	0.0000, 0.8979, 0.5490
CMYK	0.00, 0.90, 0.55, 0.00
HSL	337°, 100%, 55%
HSV	337°, 90%, 100%
XYZ	44.7039, 23.2366, 18.3486
YIQ	104.6170, 107.9150, 76.2270

# Conversions

## Conversions Part 2

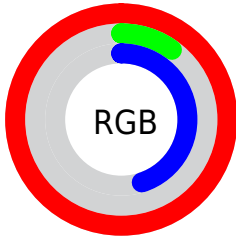
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 26, 115
Decimal	16718451
CIE <sub>Lab</sub>	55.32, 81.45, 12.49
CIE <sub>LCh</sub>	55, 82.400, 8.716
Yxy	23.2366, 0.5181, 0.2693
Android (android.graphics.Color)	4294908531 (0xFFFF1A73)
YUV	104.6170, 5.1188, 131.8859
Hunter-Lab	48.2044, 81.1802, 11.1748

# Details

The XYZ color **44.7039, 23.2366, 18.3486** is a dark color, and the websafe version is hex **FF0066**. The color can be described as dark washed rose. A complement of this color would be **43.0727, 74.4941, 48.2009**, and the grayscale version is **13.2947, 13.9871, 15.2319**.

A 20% lighter version of the original color is **53.2666, 34.1532, 40.3440**, and **22.5292, 11.4937, 6.4999** is the 20% darker color. If you saturate the color by 10%, you get **43.5173, 22.1802, 13.8946**, and if you desaturate by 10%, it is **46.5162, 25.3021, 23.7602**.

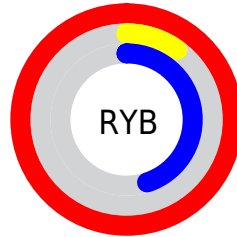
# Distribution



Red (100%)

Green (10%)

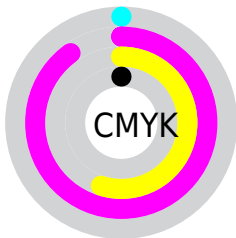
Blue (45%)



Red (100%)

Yellow (10%)

Blue (45%)

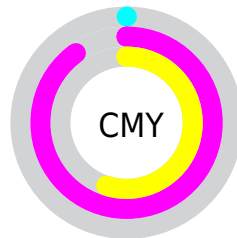


Cyan (0%)

Magenta (90%)

Yellow (55%)

Black (0%)



Cyan (0%)

Magenta (90%)


Yellow (55%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 44.7039, 23.2366, 18.3486 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 44.7039, 23.2366, 18.3486 by changing the saturation by 10% instead.





 44.7039, 23.2366,  
18.3486


 44.7039, 23.2366,  
18.3486

356.3769,  
268.9379, 255.1304


 31.4245, 14.7683,  
11.0285


 81.5157, 48.7815,  
41.4524


 21.0758, 8.6569,  
5.9716


 105.7789, 66.6270,  
58.0732


 13.2922, 4.5181,  
2.7593


 134.4340, 88.3669,  
78.6313

 7.7084, 1.9674,  
0.9731

 167.8465,  
114.3857, 103.5452

 3.9592, 0.5884,  
0.0000

 206.3817,  
145.0678, 133.2336

 1.6791, 0.0000,  
0.0000

250.4049,

 0.4431, 0.0000,

180.7977, 168.1149

0.0000

300.2815,  
221.9595, 208.6076

■ 0.0000, 0.0000,  
0.0000

■ 44.7039, 23.2366,  
18.3486

■ 44.7039, 23.2366,  
18.3486

■ 43.5173, 22.1802,  
13.8946

■ 46.5162, 25.3021,  
23.7602

■ 43.4959, 22.1623,  
13.8103

■ 49.0987, 28.6534,  
30.2120

■ 52.5454, 33.4685,  
37.7685

■ 56.9358, 39.8960,  
46.4870

■ 62.3396, 48.0658,  
56.4200

68.8197, 58.0947,  
67.6166

76.4335, 70.0892,  
80.1224

85.2346, 84.1476,  
93.9809

95.0498, 99.9999,  
108.9000

# Harmonies

## Analogous

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



43.1130, 23.2366, 48.6196



44.7039, 23.2366, 18.3486



39.0441, 23.2366, 4.9580

# Triad

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



44.7039, 23.2366, 18.3486



12.7353, 23.2366, 2.7479



16.2457, 23.2366, 108.4541

# Complementary

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



44.7039, 23.2366, 18.3486



43.0727, 74.4941, 48.2009

# 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.



10.9241, 23.2366, 72.3142



44.7039, 23.2366, 18.3486



9.3257, 23.2366, 10.9644

# Square

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



44.7039, 23.2366, 18.3486



19.5020, 23.2366, 0.9734



8.7708, 23.2366, 33.8185



24.8881, 23.2366, 116.2377



# Rectangle

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



44.7039, 23.2366, 18.3486



32.6518, 23.2366, 1.9737



8.7708, 23.2366, 33.8185



14.0872, 23.2366, 98.4200

# Sweetspot

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



44.7045, 23.2380, 18.3489



70.8284, 61.2402, 70.9732



33.6091, 15.7905, 95.8838



14.6368, 12.2887, 14.3152



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.



44.7045, 23.2380, 18.3489



43.4961, 22.1624, 13.8103



42.5220, 23.5254, 3.2790



18.3015, 18.1039, 20.2051



22.7954, 11.6074, 7.5728



2.2711, 1.1508, 1.0092



# Inverse Universe

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



44.7045, 23.2380, 18.3489



43.4961, 22.1624, 13.8103



47.3624, 65.2112, 104.6981



18.3015, 18.1039, 20.2051



22.7954, 11.6074, 7.5728



2.2711, 1.1508, 1.0092



# Previews

## White Background



This preview shows how the XYZ color 44.7039, 23.2366, 18.3486 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 44.7039, 23.2366, 18.3486 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 44.7039, 23.2366, 18.3486**

## **Background**



This preview shows how black text looks on a background with the XYZ color 44.7039, 23.2366, 18.3486.



This preview shows how white text looks on a background with the XYZ color 44.7039, 23.2366,



# 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

44.7039, 23.2366, 18.3486

### Protanopia

23.4096, 23.5428, 38.4324

### Deuteranopia

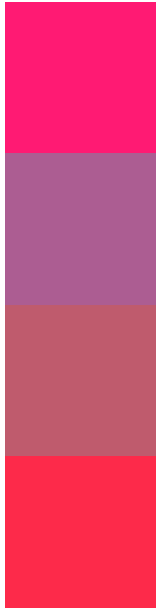
23.7865, 23.4268, 16.6327



## Tritanopia

41.9263, 23.3021, 5.4200

# Trichromacy



## Original Color

44.7039, 23.2366, 18.3486

## Protanomaly

26.1159, 18.6747, 29.4222

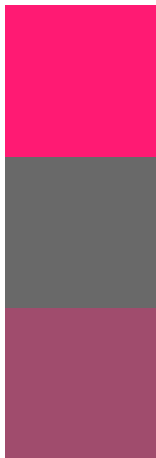
## Deuteranomaly

27.9873, 19.6627, 16.7882

## Tritanomaly

42.5720, 23.0330, 8.6806

# Monochromacy



## Original Color

44.7039, 23.2366, 18.3486

## Achromatopsia

13.4271, 14.1263, 15.3836

## Achromatomaly

19.8420, 13.7466, 16.0756

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 44.7039, 23.2366, 18.3486 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, 26, 115)` looks like.

```
.text, #text, p{  
    color:rgb(255, 26, 115)  
}
```

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, 26, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 26, 115) }
```

## Border

The CSS property to change the border of an element to XYZ 44.7039, 23.2366, 18.3486 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, 26, 115) }
```



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

```
.border{ border-color:rgb(255, 26, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 26, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 26, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 26, 115);  
box-shadow:4px 4px 4px 4px rgb(255, 26,  
115) }
```

# Background

The CSS property to change the background color of an element to XYZ 44.7039, 23.2366, 18.3486 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 26, 115) }
```

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

```
.background{ background-color: rgb(255, 26,  
115) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

**@ConvertingColor**