

# Converting Colors

XYZ(43.8589, 23.9930, 10.5247)

Have a look what the booklet for  
XYZ(43.8589, 23.9930, 10.5247)  
contains.

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# Color

**XYZ(43.8583, 23.9984,  
10.5042)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FF3053
RGB	255, 48, 83
RGB Percent	100%, 19%, 33%
CMY	0.0000, 0.8117, 0.6745
CMYK	0.00, 0.81, 0.67, 0.00
HSL	350°, 100%, 59%
HSV	350°, 81%, 100%
XYZ	43.8583, 23.9984, 10.5042
YIQ	113.8830, 112.1370, 54.7690

# Conversions

## Conversions Part 2

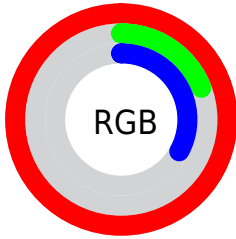
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 48, 83
Decimal	16724051
CIE <sub>Lab</sub>	56.09, 75.66, 32.56
CIE <sub>LCh</sub>	56, 82.366, 23.285
Yxy	23.9984, 0.5597, 0.3063
Android (android.graphics.Color)	4294914131 (0xFFFF3053)
YUV	113.8830, -15.2253, 123.7596
Hunter-Lab	48.9882, 74.0788, 21.5786

# Details

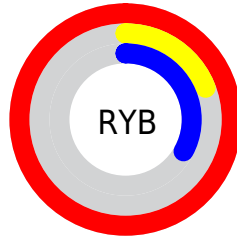
The XYZ color **43.8583, 23.9984, 10.5042** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark washed red. A complement of this color would be **49.9002, 77.3167, 80.0159**, and the grayscale version is **15.9823, 16.8146, 18.3111**.

A 20% lighter version of the original color is **51.5356, 35.1874, 25.9054**, and **21.6014, 11.0936, 2.9222** is the 20% darker color. If you saturate the color by 10%, you get **42.4010, 22.1995, 6.5803**, and if you desaturate by 10%, it is **46.1649, 27.0968, 15.9446**.

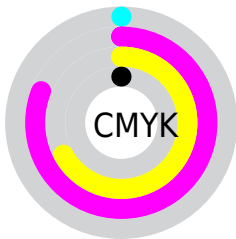
# Distribution



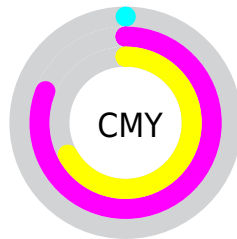
- Red (100%)
- Green (19%)
- Blue (33%)



- Red (100%)
- Yellow (19%)
- Blue (33%)



- Cyan (0%)
- Magenta (81%)
- Yellow (67%)
- Black (0%)




- Cyan (0%)
- Magenta (81%)
- Yellow (67%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 43.8583, 23.9984, 10.5042 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 43.8583, 23.9984, 10.5042 by changing the saturation by 10% instead.





 43.8583, 23.9984,  
10.5042


 43.8583, 23.9984,  
10.5042


352.9917,  
272.8124, 204.8475


 30.7566, 15.3324,  
5.6246


 80.2521, 50.0276,  
27.3621

 20.5645, 9.0530,  
2.5531


 104.2750, 68.1596,  
40.1775


 12.9167, 4.7758,  
0.8681


 132.6688, 90.2158,  
56.4752

 7.4478, 2.1163,  
0.0000

 165.7991,  
116.5804, 76.6738

 3.7925, 0.6738,  
0.0000

 204.0312,  
147.6380, 101.1918

 1.5854, 0.0000,  
0.0000

247.7304,

 0.3829, 0.0000,

183.7730, 130.4477

0.0000

297.2622,  
225.3696, 164.8601

■ 0.0000, 0.0000,  
0.0000

■ 43.8583, 23.9984,  
10.5042

■ 43.8583, 23.9984,  
10.5042

■ 42.4010, 22.1995,  
6.5803

■ 46.1649, 27.0968,  
15.9446

■ 41.6776, 21.4350,  
4.2356

■ 49.4294, 31.6775,  
23.0390

■ 53.7454, 37.8986,  
31.9101

■ 59.1947, 45.8967,  
42.6684

■ 65.8509, 55.7940,  
55.4151

73.7812, 67.7019,  
70.2444

83.0480, 81.7232,  
87.2443

93.7094, 97.9535,  
106.4977

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.



45.9838, 23.9984, 32.6879



43.8583, 23.9984, 10.5042



35.4637, 23.9984, 2.6915

# Triad

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



43.8583, 23.9984, 10.5042



11.1398, 23.9984, 5.7522



20.7537, 23.9984, 119.1313

# Complementary

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



43.8583, 23.9984, 10.5042



49.9002, 77.3167, 80.0159

# 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.



13.5931, 23.9984, 93.8151



43.8583, 23.9984, 10.5042



9.1212, 23.9984, 20.5140

# Square

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



43.8583, 23.9984, 10.5042



16.3643, 23.9984, 1.5651



9.8755, 23.9984, 52.5158



30.7580, 23.9984, 108.7917



# Rectangle

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



43.8583, 23.9984, 10.5042



28.4349, 23.9984, 1.2737



9.8755, 23.9984, 52.5158



17.9802, 23.9984, 114.1469

# Sweetspot

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



43.8589, 23.9999, 10.5046



71.4036, 64.1211, 65.8302



47.7386, 24.0952, 96.7420



14.6748, 12.8106, 12.9534



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.



43.8589, 23.9999, 10.5046



41.8871, 21.6517, 4.9278



47.7418, 33.4096, 6.7308



18.1346, 18.0372, 19.3260



21.8139, 11.2149, 2.4046



2.1572, 1.1053, 0.4094



# Inverse Universe

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



43.8589, 23.9999, 10.5046



41.8871, 21.6517, 4.9278



37.5654, 44.4403, 101.2052



18.1346, 18.0372, 19.3260



21.8139, 11.2149, 2.4046



2.1572, 1.1053, 0.4094



# Previews

## White Background



This preview shows how the XYZ color 43.8583, 23.9984, 10.5042 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 43.8583, 23.9984, 10.5042 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 43.8583, 23.9984, 10.5042**

## **Background**



This preview shows how black text looks on a background with the XYZ color 43.8583, 23.9984, 10.5042.



This preview shows how white text looks on a background with the XYZ color 43.8583, 23.9984,



# 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

43.8583, 23.9984, 10.5042

### Protanopia

22.6620, 23.9739, 19.9560

### Deuteranopia

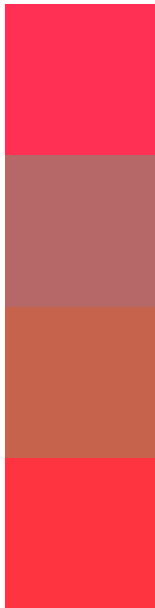
24.4059, 23.9056, 9.4588



## Tritanopia

42.8818, 23.9850, 5.9839

# Trichromacy



## Original Color

43.8583, 23.9984, 10.5042

## Protanomaly

26.6403, 20.6451, 15.6775

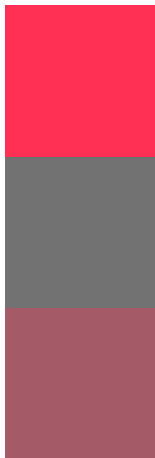
## Deuteranomaly

29.0550, 21.4512, 9.4466

## Tritanomaly

43.0552, 23.9085, 7.3466

# Monochromacy



## Original Color

43.8583, 23.9984, 10.5042

## Achromatopsia

15.9940, 16.8269, 18.3245

## Achromatomaly

21.6214, 16.2909, 14.8369

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 43.8583, 23.9984, 10.5042 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, 48, 83)` looks like.

```
.text, #text, p{  
  color:rgb(255, 48, 83)  
}
```

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, 48, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 48, 83) }
```

## Border

The CSS property to change the border of an element to XYZ 43.8583, 23.9984, 10.5042 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, 48, 83) }
```



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

```
.border{ border-color:rgb(255, 48, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 48, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 48, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 48, 83);  
box-shadow:4px 4px 4px 4px rgb(255, 48,  
83) }
```

# Background

The CSS property to change the background color of an element to XYZ 43.8583, 23.9984, 10.5042 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 48, 83) }
```

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

```
.background{ background-color: rgb(255, 48,  
83) }
```

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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