

# Converting Colors

XYZ(44.0769, 24.2889, 11.0297)

Have a look what the booklet for  
XYZ(44.0769, 24.2889, 11.0297)  
contains.

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# Color

**XYZ(44.0635, 24.2835,  
10.9591)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF3355
RGB	255, 51, 85
RGB Percent	100%, 20%, 33%
CMY	0.0000, 0.7999, 0.6667
CMYK	0.00, 0.80, 0.67, 0.00
HSL	350°, 100%, 60%
HSV	350°, 80%, 100%
XYZ	44.0635, 24.2835, 10.9591
YIQ	115.8720, 110.6700, 53.8220

# Conversions

## Conversions Part 2

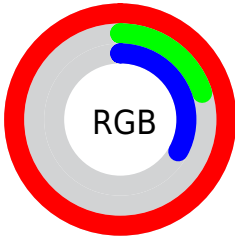
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 51, 85
Decimal	16724821
CIE <sub>Lab</sub>	56.37, 75.03, 31.74
CIE <sub>LCh</sub>	56, 81.472, 22.932
Yxy	24.2835, 0.5556, 0.3062
Android (android.graphics.Color)	4294914901 (0xFFFF3355)
YUV	115.8720, -15.2199, 122.0153
Hunter-Lab	49.2783, 73.3735, 21.3092

# Details

The XYZ color **44.0635, 24.2835, 10.9591** 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 **50.1793, 77.4452, 80.7220**, and the grayscale version is **16.5850, 17.4488, 19.0017**.

A 20% lighter version of the original color is **51.9044, 35.7038, 26.7101**, and **21.6182, 11.1004, 3.0107** is the 20% darker color. If you saturate the color by 10%, you get **42.5168, 22.3448, 6.8852**, and if you desaturate by 10%, it is **46.4747, 27.5463, 16.5720**.

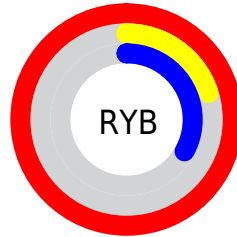
# Distribution



Red (100%)

Green (20%)

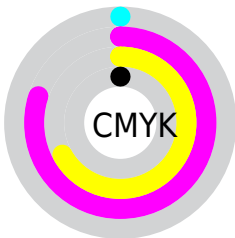
Blue (33%)



Red (100%)

Yellow (20%)

Blue (33%)

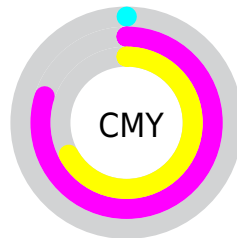


Cyan (0%)

Magenta (80%)

Yellow (67%)

Black (0%)



Cyan (0%)

Magenta (80%)


Yellow (67%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 44.0635, 24.2835, 10.9591 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 44.0635, 24.2835, 10.9591 by changing the saturation by 10% instead.





 44.0635, 24.2835,  
10.9591


 44.0635, 24.2835,  
10.9591


353.8152,  
274.2506, 208.1141

 30.9186, 15.5441,  
5.9255


 80.5590, 50.4924,  
28.2200


 20.6884, 9.2021,  
2.7318


 104.6404, 68.7307,  
41.2844


 13.0076, 4.8732,  
0.9594


 133.0978, 90.9041,  
57.8628

 7.5108, 2.1731,  
0.0000

 166.2968,  
117.3969, 78.3738

 3.8327, 0.7053,  
0.0000

 204.6027,  
148.5935, 103.2359

 1.6079, 0.0000,  
0.0000

248.3808,

 0.3976, 0.0000,

184.8785, 132.8676

0.0000

297.9965,  
226.6360, 167.6875

■ 0.0000, 0.0000,  
0.0000

■ 44.0635, 24.2835,  
10.9591

■ 44.0635, 24.2835,  
10.9591

■ 42.5168, 22.3448,  
6.8852

■ 46.4747, 27.5463,  
16.5720

■ 41.6668, 21.4310,  
4.1779

■ 49.8566, 32.3116,  
23.8603

■ 41.6663, 21.4305,  
4.1764

■ 54.3015, 38.7348,  
32.9462

■ 59.8903, 46.9507,  
43.9397

■ 66.6958, 57.0800,  
56.9422

■ 74.7850, 69.2332,  
72.0475

■ 84.2196, 83.5121,  
89.3438

95.0497, 99.9999,  
108.9000

# Harmonies

## Analogous

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



46.0815, 24.2835, 33.3397



44.0635, 24.2835, 10.9591



35.7877, 24.2835, 2.9060

# Triad

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



44.0635, 24.2835, 10.9591



11.4491, 24.2835, 5.8966



20.9261, 24.2835, 118.3393

# Complementary

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



44.0635, 24.2835, 10.9591



50.1793, 77.4452, 80.7220

# 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.



13.8060, 24.2835, 93.0368



44.0635, 24.2835, 10.9591



9.3835, 24.2835, 20.5657

# Square

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



44.0635, 24.2835, 10.9591



16.7272, 24.2835, 1.6752



10.1104, 24.2835, 52.1901



30.8684, 24.2835, 108.5736



# Rectangle

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



44.0635, 24.2835, 10.9591



28.8061, 24.2835, 1.4034



10.1104, 24.2835, 52.1901



18.1692, 24.2835, 113.2866

# Sweetspot

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



44.0641, 24.2850, 10.9595



71.3859, 64.1140, 65.7368



49.0540, 24.9617, 96.8398



14.6707, 12.8089, 12.9315



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.



44.0641, 24.2850, 10.9595



41.9479, 21.7203, 5.1115



48.4359, 34.6955, 7.2781



18.1328, 18.0364, 19.3165



21.8076, 11.2123, 2.3715



2.1564, 1.1049, 0.4048



# Inverse Universe

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



44.0641, 24.2850, 10.9595



41.9479, 21.7203, 5.1115



37.1875, 43.4672, 101.0372



18.1328, 18.0364, 19.3165



21.8076, 11.2123, 2.3715



2.1564, 1.1049, 0.4048



# Previews

## White Background



This preview shows how the XYZ color 44.0635, 24.2835, 10.9591 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

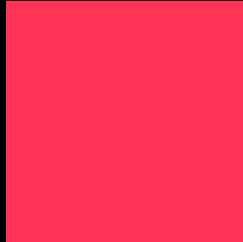
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 44.0635, 24.2835, 10.9591 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 44.0635, 24.2835, 10.9591**

## **Background**



This preview shows how black text looks on a background with the XYZ color 44.0635, 24.2835, 10.9591.



This preview shows how white text looks on a background with the XYZ color 44.0635, 24.2835,



# 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

44.0635, 24.2835, 10.9591

### Protanopia

23.0893, 24.3867, 20.6297

### Deuteranopia

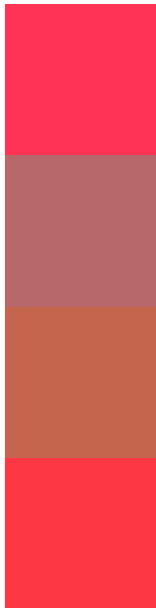
24.8122, 24.3019, 9.8616



## Tritanopia

43.0999, 24.3026, 6.4222

# Trichromacy



## Original Color

44.0635, 24.2835, 10.9591

## Protanomaly

27.0803, 21.0085, 16.2634

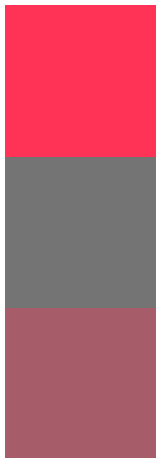
## Deuteranomaly

29.3175, 21.8632, 9.8825

## Tritanomaly

43.2826, 24.2206, 7.8626

# Monochromacy



## Original Color

44.0635, 24.2835, 10.9591

## Achromatopsia

16.6002, 17.4647, 19.0191

## Achromatomaly

22.3133, 16.8897, 15.4486

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 44.0635, 24.2835, 10.9591 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, 51, 85)` looks like.

```
.text, #text, p{  
    color:rgb(255, 51, 85)  
}
```

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, 51, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 51, 85) }
```

## Border

The CSS property to change the border of an element to XYZ 44.0635, 24.2835, 10.9591 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, 51, 85) }
```



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

```
.border{ border-color:rgb(255, 51, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 51, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 51, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 51, 85);  
box-shadow:4px 4px 4px 4px rgb(255, 51,  
85) }
```

# Background

The CSS property to change the background color of an element to XYZ 44.0635, 24.2835, 10.9591 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 51, 85) }
```

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

```
.background{ background-color: rgb(255, 51,  
85) }
```

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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