

# Converting Colors

XYZ(43.5821, 24.0909, 8.4238)

Have a look what the booklet for  
XYZ(43.5821, 24.0909, 8.4238)  
contains.

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# Color

**XYZ(43.5935, 24.0955,  
8.4842)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF3348
RGB	255, 51, 72
RGB Percent	100%, 20%, 28%
CMY	0.0000, 0.7999, 0.7176
CMYK	0.00, 0.80, 0.72, 0.00
HSL	354°, 100%, 60%
HSV	354°, 80%, 100%
XYZ	43.5935, 24.0955, 8.4842
YIQ	114.3900, 114.8430, 49.7790

# Conversions

## Conversions Part 2

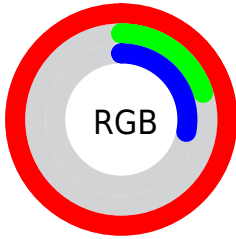
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 51, 72
Decimal	16724808
CIE <sub>Lab</sub>	56.18, 74.46, 39.03
CIE <sub>LCh</sub>	56, 84.069, 27.662
Yxy	24.0955, 0.5723, 0.3163
Android (android.graphics.Color)	4294914888 (0xFFFF3348)
YUV	114.3900, -20.8983, 123.3150
Hunter-Lab	49.0872, 72.6203, 24.1134

# Details

The XYZ color **43.5935, 24.0955, 8.4842** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark washed red. A complement of this color would be **51.9795, 78.1652, 90.2021**, and the grayscale version is **16.1505, 16.9916, 18.5039**.

A 20% lighter version of the original color is **51.0525, 35.3631, 22.2241**, and **21.4448, 11.0310, 2.0975** is the 20% darker color. If you saturate the color by 10%, you get **42.1555, 22.2003, 4.9827**, and if you desaturate by 10%, it is **45.9200, 27.3244, 13.6512**.

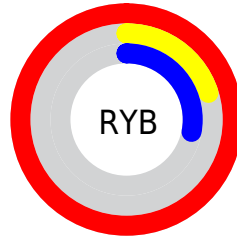
# Distribution



Red (100%)

Green (20%)

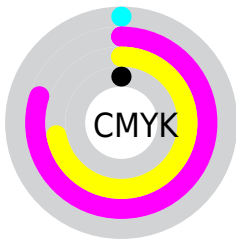
Blue (28%)



Red (100%)

Yellow (20%)

Blue (28%)

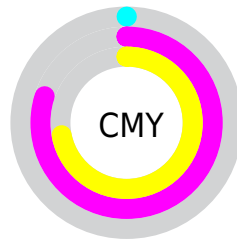


Cyan (0%)

Magenta (80%)

Yellow (72%)

Black (0%)



Cyan (0%)

Magenta (80%)


Yellow (72%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 43.5935, 24.0955, 8.4842 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 43.5935, 24.0955, 8.4842 by changing the saturation by 10% instead.





 43.5935, 24.0955,  
8.4842


 43.5935, 24.0955,  
8.4842


351.9272,  
273.3029, 189.5562


 30.5476, 15.4045,  
4.3141

 79.8559, 50.1860,  
23.4640

 20.4047, 9.1037,  
1.7992


 103.8030, 68.3543,  
35.1108


 12.7996, 4.8089,  
0.4274


 132.1146, 90.4504,  
50.0869

 7.3667, 2.1356,  
0.0000

 165.1561,  
116.8588, 68.8109

 3.7408, 0.6845,  
0.0000

 203.2927,  
147.9639, 91.7012

 1.5566, 0.0000,  
0.0000

246.8899,

 0.3639, 0.0000,

184.1500, 119.1766

0.0000

296.3129,  
225.8015, 151.6554

■ 0.0000, 0.0000,  
0.0000

■ 43.5935, 24.0955,  
8.4842

■ 43.5935, 24.0955,  
8.4842

■ 42.1555, 22.2003,  
4.9827

■ 45.9200, 27.3244,  
13.6512

■ 41.4291, 21.3359,  
2.9265

■ 49.2483, 32.0683,  
20.6573

■ 41.4287, 21.3355,  
2.9255

■ 53.6765, 38.4848,  
29.6550

■ 59.2903, 46.7107,  
40.7807

■ 66.1672, 56.8686,  
54.1586

■ 74.3778, 69.0704,  
69.9035

■ 83.9876, 83.4194,  
88.1222

95.0497, 99.9998,  
108.9000

# Harmonies

## Analogous

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



46.9096, 24.0955, 28.4648



43.5935, 24.0955, 8.4842



34.3368, 24.0955, 2.0752

# Triad

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



43.5935, 24.0955, 8.4842



10.5251, 24.0955, 6.8347



22.1531, 24.0955, 123.2806

# Complementary

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



43.5935, 24.0955, 8.4842



51.9795, 78.1652, 90.2021

# 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.



14.3379, 24.0955, 101.6737



43.5935, 24.0955, 8.4842



8.9101, 24.0955, 24.1265

# Square

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



43.5935, 24.0955, 8.4842



15.3193, 24.0955, 1.7007



10.0806, 24.0955, 59.4695



32.6472, 24.0955, 107.1187



# Rectangle

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



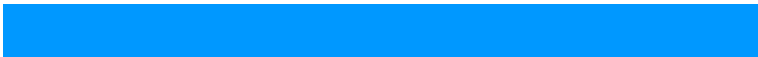
43.5935, 24.0955, 8.4842



27.1022, 24.0955, 1.0321



10.0806, 24.0955, 59.4695



19.1599, 24.0955, 119.9897

# Sweetspot

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



43.5940, 24.0970, 8.4846



70.9238, 63.9292, 63.3035



52.2545, 26.6116, 96.9895



14.5628, 12.7658, 12.3636



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.



43.5940, 24.0970, 8.4846



41.6598, 21.6051, 3.5945



49.7157, 37.2551, 7.7047



18.0853, 18.0174, 19.0663



21.6722, 11.1582, 1.6582



2.1341, 1.0960, 0.2874



# Inverse Universe

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



43.5940, 24.0970, 8.4846



41.6598, 21.6051, 3.5945



35.1000, 39.2921, 100.3412



18.0853, 18.0174, 19.0663



21.6722, 11.1582, 1.6582



2.1341, 1.0960, 0.2874



# Previews

## White Background



This preview shows how the XYZ color 43.5935, 24.0955, 8.4842 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 43.5935, 24.0955, 8.4842 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 43.5935, 24.0955, 8.4842**

## **Background**



This preview shows how black text looks on a background with the XYZ color 43.5935, 24.0955, 8.4842.



This preview shows how white text looks on a background with the XYZ color 43.5935, 24.0955,



# 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

43.5935, 24.0955, 8.4842

### Protanopia

22.6900, 24.2873, 15.8039

### Deuteranopia

24.4711, 23.9801, 7.6138



## Tritanopia

42.8818, 23.9850, 5.9839

# Trichromacy



## Original Color

43.5935, 24.0955, 8.4842

## Protanomaly

26.8034, 20.9531, 12.3045

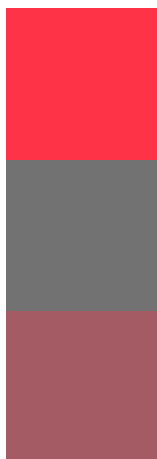
## Deuteranomaly

29.0358, 21.6266, 7.4945

## Tritanomaly

42.9885, 23.9540, 6.7727

# Monochromacy



## Original Color

43.5935, 24.0955, 8.4842

## Achromatopsia

15.9940, 16.8269, 18.3245

## Achromatomaly

21.5103, 16.3824, 13.8328

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 43.5935, 24.0955, 8.4842 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, 72)` looks like.

```
.text, #text, p{  
    color:rgb(255, 51, 72)  
}
```

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, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 51, 72) }
```

## Border

The CSS property to change the border of an element to XYZ 43.5935, 24.0955, 8.4842 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, 72) }
```



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

```
.border{ border-color:rgb(255, 51, 72) }
```

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, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 51, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 51, 72);  
box-shadow:4px 4px 4px 4px rgb(255, 51,  
72) }
```

# Background

The CSS property to change the background color of an element to XYZ 43.5935, 24.0955, 8.4842 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, 72) }
```

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

```
.background{ background-color: rgb(255, 51,  
72) }
```

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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