

# Converting Colors

XYZ(43.7557, 24.1629, 9.3760)

Have a look what the booklet for  
XYZ(43.7557, 24.1629, 9.3760)  
contains.

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# Color

**XYZ(43.7634, 24.1635,  
9.3786)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF334D
RGB	255, 51, 77
RGB Percent	100%, 20%, 30%
CMY	0.0000, 0.7999, 0.6980
CMYK	0.00, 0.80, 0.70, 0.00
HSL	352°, 100%, 60%
HSV	352°, 80%, 100%
XYZ	43.7634, 24.1635, 9.3786
YIQ	114.9600, 113.2380, 51.3340

# Conversions

## Conversions Part 2

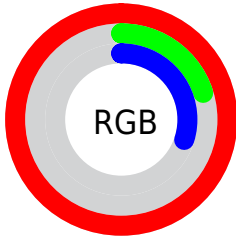
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 51, 77
Decimal	16724813
CIE <sub>Lab</sub>	56.25, 74.67, 36.24
CIE <sub>LCh</sub>	56, 83.000, 25.893
Yxy	24.1635, 0.5661, 0.3126
Android (android.graphics.Color)	4294914893 (0xFFFF334D)
YUV	114.9600, -18.7143, 122.8151
Hunter-Lab	49.1564, 72.8930, 23.0975

# Details

The XYZ color **43.7634, 24.1635, 9.3786** 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 **51.2712, 77.8820, 86.4719**, and the grayscale version is **16.3169, 17.1667, 18.6945**.

A 20% lighter version of the original color is **51.3672, 35.4889, 23.8814**, and **21.5097, 11.0570, 2.4394** is the 20% darker color. If you saturate the color by 10%, you get **42.2821, 22.2509, 5.6493**, and if you desaturate by 10%, it is **46.1243, 27.4062, 14.7266**.

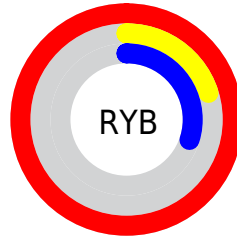
# Distribution



Red (100%)

Green (20%)

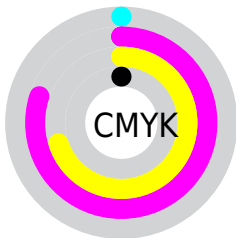
Blue (30%)



Red (100%)

Yellow (20%)

Blue (30%)

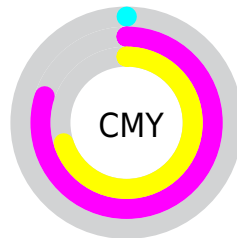


Cyan (0%)

Magenta (80%)

Yellow (70%)

Black (0%)



Cyan (0%)

Magenta (80%)


Yellow (70%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 43.7634, 24.1635, 9.3786 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 43.7634, 24.1635, 9.3786 by changing the saturation by 10% instead.




 43.7634, 24.1635,  
9.3786


 43.7634, 24.1635,  
9.3786

352.6104,  
273.6460, 196.4985


 30.6817, 15.4550,  
4.8888


 80.1102, 50.2969,  
25.2092

 20.5072, 9.1393,  
2.1246


 104.1059, 68.4905,  
37.3871


 12.8747, 4.8322,  
0.6303


 132.4703, 90.6146,  
52.9648

 7.4187, 2.1491,  
0.0000

 165.5688,  
117.0536, 72.3608

 3.7739, 0.6920,  
0.0000

 203.7667,  
148.1918, 95.9936

 1.5751, 0.0000,  
0.0000

247.4294,

 0.3761, 0.0000,

184.4137, 124.2818

0.0000

296.9222,  
226.1036, 157.6439

■ 0.0000, 0.0000,  
0.0000

■ 43.7634, 24.1635,  
9.3786

■ 43.7634, 24.1635,  
9.3786

■ 42.2821, 22.2509,  
5.6493

■ 46.1243, 27.4062,  
14.7266

■ 41.5075, 21.3673,  
3.3388

■ 49.4751, 32.1591,  
21.8514

■ 41.5070, 21.3668,  
3.3375

■ 53.9117, 38.5790,  
30.8930

■ 59.5176, 46.8018,  
41.9770

■ 66.3686, 56.9493,  
55.2183

■ 74.5337, 69.1329,  
70.7233

■ 84.0769, 83.4553,  
88.5911

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.



46.5826, 24.1635, 30.2594



43.7634, 24.1635, 9.3786



34.8791, 24.1635, 2.3708

# Triad

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



43.7634, 24.1635, 9.3786



10.8708, 24.1635, 6.4661



21.6764, 24.1635, 121.3470

# Complementary

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



43.7634, 24.1635, 9.3786



51.2712, 77.8820, 86.4719

# 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.



14.1320, 24.1635, 98.2931



43.7634, 24.1635, 9.3786



9.0884, 24.1635, 22.7200

# Square

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



43.7634, 24.1635, 9.3786



15.8449, 24.1635, 1.6914



10.0914, 24.1635, 56.6050



31.9549, 24.1635, 107.6443



# Rectangle

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



43.7634, 24.1635, 9.3786



27.7395, 24.1635, 1.1653



10.0914, 24.1635, 56.6050



18.7754, 24.1635, 117.3708

# Sweetspot

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



43.7640, 24.1650, 9.3790



71.1001, 63.9997, 64.2320



51.1666, 26.0508, 96.9387



14.6039, 12.7822, 12.5800



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.



43.7640, 24.1650, 9.3790



41.7576, 21.6442, 4.1097



49.2745, 36.3726, 7.5577



18.1035, 18.0247, 19.1623



21.7174, 11.1763, 1.8965



2.1426, 1.0994, 0.3325



# Inverse Universe

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



43.7640, 24.1650, 9.3790



41.7576, 21.6442, 4.1097



35.7790, 40.6501, 100.5677



18.1035, 18.0247, 19.1623



21.7174, 11.1763, 1.8965



2.1426, 1.0994, 0.3325



# Previews

## White Background



This preview shows how the XYZ color 43.7634, 24.1635, 9.3786 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 43.7634, 24.1635, 9.3786 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 43.7634, 24.1635, 9.3786**

## **Background**



This preview shows how black text looks on a background with the XYZ color 43.7634, 24.1635, 9.3786.



This preview shows how white text looks on a background with the XYZ color 43.7634, 24.1635,



# 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

43.7634, 24.1635, 9.3786

### Protanopia

22.8194, 24.3188, 17.4012

### Deuteranopia

24.7700, 24.3094, 8.5409



## Tritanopia

42.9530, 24.0887, 6.1271

# Trichromacy



## Original Color

43.7634, 24.1635, 9.3786

## Protanomaly

26.8288, 20.9355, 13.6933

## Deuteranomaly

29.3124, 21.8917, 8.4749

## Tritanomaly

43.1176, 24.0793, 7.2257

# Monochromacy



## Original Color

43.7634, 24.1635, 9.3786

## Achromatopsia

16.2955, 17.1441, 18.6699

## Achromatomaly

21.9020, 16.7009, 14.3811

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 43.7634, 24.1635, 9.3786 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, 77)` looks like.

```
.text, #text, p{  
    color:rgb(255, 51, 77)  
}
```

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, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 51, 77) }
```

## Border

The CSS property to change the border of an element to XYZ 43.7634, 24.1635, 9.3786 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, 77) }
```



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

```
.border{ border-color:rgb(255, 51, 77) }
```

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, 77) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 51, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 51, 77);  
box-shadow:4px 4px 4px 4px rgb(255, 51,  
77) }
```

# Background

The CSS property to change the background color of an element to XYZ 43.7634, 24.1635, 9.3786 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, 77) }
```

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

```
.background{ background-color: rgb(255, 51,  
77) }
```

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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