

# Converting Colors

XYZ(57.8456, 32.2269, 10.4129)

Have a look what the booklet for  
XYZ(57.8456, 32.2269, 10.4129)  
contains.

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# Color

**XYZ(44.3378, 25.2553,  
9.7456)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF3E4E
RGB	255, 62, 78
RGB Percent	100%, 24%, 31%
CMY	0.0000, 0.7568, 0.6941
CMYK	0.00, 0.76, 0.69, 0.00
HSL	355°, 100%, 62%
HSV	355°, 76%, 100%
XYZ	44.3378, 25.2553, 9.7456
YIQ	121.5310, 109.8920, 45.8920

# Conversions

## Conversions Part 2

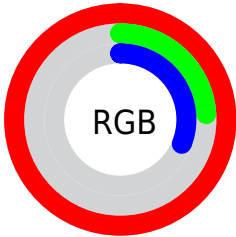
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 62, 78
Decimal	16727630
CIE <sub>Lab</sub>	57.32, 71.73, 36.96
CIE <sub>LCh</sub>	57, 80.689, 27.259
Yxy	25.2553, 0.5588, 0.3183
Android (android.graphics.Color)	4294917710 (0xFFFF3E4E)
YUV	121.5310, -21.4608, 117.0523
Hunter-Lab	50.2547, 69.5382, 23.6805

# Details

The XYZ color **44.3378, 25.2553, 9.7456** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **53.3294, 78.7770, 94.0668**, and the grayscale version is **18.3905, 19.3482, 21.0702**.

A 20% lighter version of the original color is **52.2784, 37.2076, 24.5051**, and **21.5239, 11.0626, 2.5142** is the 20% darker color. If you saturate the color by 10%, you get **42.5667, 22.8252, 5.7281**, and if you desaturate by 10%, it is **47.0578, 29.1071, 15.5499**.

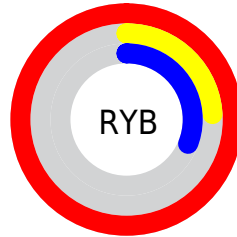
# Distribution



Red (100%)

Green (24%)

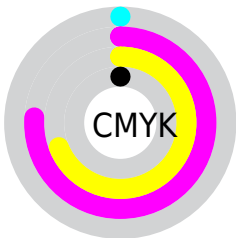
Blue (31%)



Red (100%)

Yellow (24%)

Blue (31%)

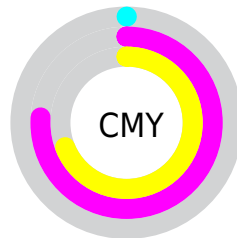


Cyan (0%)

Magenta (76%)

Yellow (69%)

Black (0%)



Cyan (0%)

Magenta (76%)


Yellow (69%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 44.3378, 25.2553, 9.7456 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 44.3378, 25.2553, 9.7456 by changing the saturation by 10% instead.





 44.3378, 25.2553,  
9.7456


 44.3378, 25.2553,  
9.7456


354.9140,  
279.1070, 199.2650


 31.1352, 16.2674,  
5.1272


 80.9690, 52.0711,  
25.9162


 20.8542, 9.7135,  
2.2621


 105.1283, 70.6677,  
38.3055

 13.1293, 5.2094,  
0.7098


 133.6706, 93.2361,  
54.1221

 7.5953, 2.3707,  
0.0000

 166.9612,  
120.1605, 73.7847

 3.8867, 0.8107,  
0.0000

 205.3655,  
151.8254, 97.7117

 1.6382, 0.0000,  
0.0000

249.2488,

 0.4171, 0.0000,

188.6152, 126.3218

0.0000

298.9765,  
230.9143, 160.0333

■ 0.0000, 0.0000,  
0.0000

■ 44.3378, 25.2553,  
9.7456

■ 44.3378, 25.2553,  
9.7456

■ 42.5667, 22.8252,  
5.7281

■ 47.0578, 29.1071,  
15.5499

■ 41.6099, 21.5997,  
3.2880


■ 50.8339, 34.5484,  
23.3163


■ 41.3763, 21.3145,  
2.6488

■ 55.7605, 41.7282,  
33.2003

■ 61.9212, 50.7774,  
45.3415

■ 69.3917, 61.8142,  
59.8675

 78.2416, 74.9472,  
76.8964

 88.5356, 90.2770,  
96.5385

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.



47.4498, 25.2553, 30.0948



44.3378, 25.2553, 9.7456



35.3843, 25.2553, 2.7319

# Triad

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



44.3378, 25.2553, 9.7456



11.6233, 25.2553, 7.7203



23.1358, 25.2553, 120.7482

# Complementary

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



44.3378, 25.2553, 9.7456



53.3294, 78.7770, 94.0668

# 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.



15.3706, 25.2553, 99.8184



44.3378, 25.2553, 9.7456



9.9252, 25.2553, 25.0565

# Square

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



44.3378, 25.2553, 9.7456



16.5301, 25.2553, 2.2265



11.0894, 25.2553, 59.3514



33.4480, 25.2553, 105.8855



# Rectangle

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



44.3378, 25.2553, 9.7456



28.2919, 25.2553, 1.4788



11.0894, 25.2553, 59.3514



20.1735, 25.2553, 117.4633

# Sweetspot

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



44.3384, 25.2568, 9.7460



71.6261, 65.1248, 64.1821



55.3420, 29.0032, 97.2886



14.6914, 12.9920, 12.5021



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.



44.3384, 25.2568, 9.7460



41.9664, 22.0392, 4.2487



51.8461, 41.0806, 9.7563



18.0704, 18.0115, 18.9881



21.6411, 11.1457, 1.4948



2.1271, 1.0932, 0.2505



# Inverse Universe

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



44.3384, 25.2568, 9.7460



41.9664, 22.0392, 4.2487



35.2876, 38.7448, 100.2259



18.0704, 18.0115, 18.9881



21.6411, 11.1457, 1.4948



2.1271, 1.0932, 0.2505



# Previews

## White Background



This preview shows how the XYZ color 44.3378, 25.2553, 9.7456 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

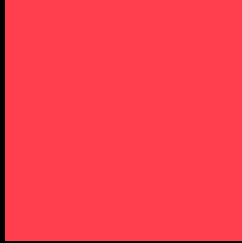
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 44.3378, 25.2553, 9.7456 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 44.3378, 25.2553, 9.7456**

## **Background**



This preview shows how black text looks on a background with the XYZ color 44.3378, 25.2553, 9.7456.



This preview shows how white text looks on a background with the XYZ color 44.3378, 25.2553,

9.7456.

# 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

44.3378, 25.2553, 9.7456

### Protanopia

23.7226, 25.4206, 17.2920

### Deuteranopia

25.7070, 25.1839, 8.8163



## Tritanopia

44.0568, 25.3201, 7.7195

# Trichromacy



## Original Color

44.3378, 25.2553, 9.7456

## Protanomaly

27.9370, 22.4355, 13.9244

## Deuteranomaly

30.3788, 23.1805, 8.8344

## Tritanomaly

44.1230, 25.2572, 8.3439

# Monochromacy



## Original Color

44.3378, 25.2553, 9.7456

## Achromatopsia

18.4984, 19.4618, 21.1939

## Achromatomaly

23.7363, 18.7010, 15.9943

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 44.3378, 25.2553, 9.7456 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, 62, 78)` looks like.

```
.text, #text, p{  
    color:rgb(255, 62, 78)  
}
```

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, 62, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 62, 78) }
```

## Border

The CSS property to change the border of an element to XYZ 44.3378, 25.2553, 9.7456 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, 62, 78) }
```



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

```
.border{ border-color:rgb(255, 62, 78) }
```

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

Here you see how a box with a 4 pixel rgb(255, 62, 78) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 62, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 62, 78);  
box-shadow:4px 4px 4px 4px rgb(255, 62,  
78) }
```

# Background

The CSS property to change the background color of an element to XYZ 44.3378, 25.2553, 9.7456 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 62, 78) }
```

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

```
.background{ background-color: rgb(255, 62,  
78) }
```

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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