

Converting Colors

XYZ(56.1116, 31.2197, 13.5402)

Have a look what the booklet for
XYZ(56.1116, 31.2197, 13.5402)
contains.

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Color

**XYZ(44.9384, 25.4956,
12.9085)**

Conversions

Conversions Part 1

Format	Color
Hex	FF3E5D
RGB	255, 62, 93
RGB Percent	100%, 24%, 36%
CMY	0.0000, 0.7568, 0.6353
CMYK	0.00, 0.76, 0.64, 0.00
HSL	350°, 100%, 62%
HSV	350°, 76%, 100%
XYZ	44.9384, 25.4956, 12.9085
YIQ	123.2410, 105.0770, 50.5570

Conversions

Conversions Part 2

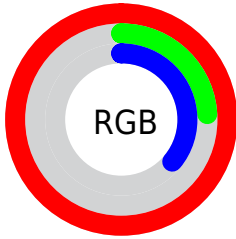
Format	Color
R_{YB}	255, 62, 93
Decimal	16727645
CIE Lab	57.56, 72.47, 28.57
CIE LCh	58, 77.900, 21.514
Yxy	25.4956, 0.5392, 0.3059
Android (android.graphics.Color)	4294917725 (0xFFFF3E5D)
YUV	123.2410, -14.9088, 115.5526
Hunter-Lab	50.4932, 70.5001, 20.1878

Details

The XYZ color **44.9384, 25.4956, 12.9085** 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 **51.2039, 77.9268, 82.8739**, and the grayscale version is **18.9318, 19.9178, 21.6904**.

A 20% lighter version of the original color is **53.5315, 37.9104, 30.4826**, and **22.0194, 11.2898, 3.8149** is the 20% darker color. If you saturate the color by 10%, you get **43.0428, 23.0157, 8.2356**, and if you desaturate by 10%, it is **47.7502, 29.3842, 19.1960**.

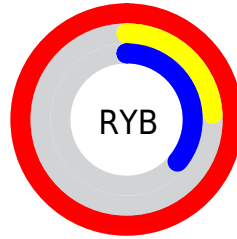
Distribution



Red (100%)

Green (24%)

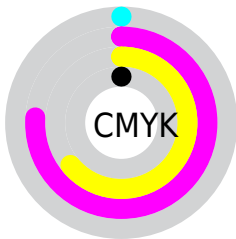
Blue (36%)



Red (100%)

Yellow (24%)

Blue (36%)

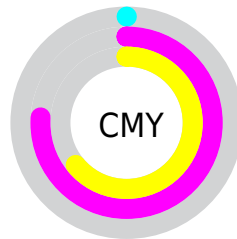


Cyan (0%)

Magenta (76%)

Yellow (64%)

Black (0%)



Cyan (0%)


Magenta (76%)


Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 44.9384, 25.4956, 12.9085 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 44.9384, 25.4956, 12.9085 by changing the saturation by 10% instead.


 44.9384, 25.4956,
12.9085


 44.9384, 25.4956,
12.9085


357.3119,
280.2971, 221.5176


 31.6100, 16.4467,
7.2356


 81.8656, 52.4601,
31.8281

 21.2179, 9.8408,
3.5292


 106.1951, 71.1445,
45.9118


 13.3967, 5.2935,
1.3708


 134.9223, 93.8094,
63.6362

 7.7812, 2.4205,
0.1188

 168.4126,
120.8394, 85.4199

 4.0059, 0.8364,
0.0000

 207.0314,
152.6188, 111.6813

 1.7055, 0.0000,
0.0000

251.1440,

 0.4597, 0.0000,

189.5319, 142.8391

0.0000

301.1157,
231.9632, 179.3116

■ 0.0000, 0.0000,
0.0000

■ 44.9384, 25.4956,
12.9085

■ 44.9384, 25.4956,
12.9085

■ 43.0428, 23.0157,
8.2356

■ 47.7502, 29.3842,
19.1960

■ 41.9394, 21.7315,
5.0232

■ 51.5771, 34.8458,
27.2300

■ 41.6390, 21.4196,
4.0323

■ 56.5067, 42.0268,
37.1295

■ 62.6165, 51.0557,
49.0028

■ 69.9771, 62.0486,
62.9498

■ 78.6532, 75.1121,
79.0633

■ 88.7052, 90.3451,
97.4309

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.



46.5405, 25.4956, 36.0138



44.9384, 25.4956, 12.9085



37.1351, 25.4956, 3.8849

Triad

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



44.9384, 25.4956, 12.9085



12.7676, 25.4956, 6.5439



21.6915, 25.4956, 115.3201

Complementary

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



44.9384, 25.4956, 12.9085



51.2039, 77.9268, 82.8739

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.



14.7299, 25.4956, 90.1429



44.9384, 25.4956, 12.9085



10.5116, 25.4956, 20.8753

Square

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



44.9384, 25.4956, 12.9085



18.2546, 25.4956, 2.1848



11.1242, 25.4956, 51.0647



31.3915, 25.4956, 107.7294

Rectangle

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



44.9384, 25.4956, 12.9085



30.3489, 25.4956, 2.0193



11.1242, 25.4956, 51.0647



18.9991, 25.4956, 110.0294

Sweetspot

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



44.9390, 25.4971, 12.9089



72.1712, 65.3428, 67.0526



50.1541, 26.3287, 97.0457



14.8195, 13.0432, 13.1762



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.



44.9390, 25.4971, 12.9089



42.3665, 22.1992, 6.3557



49.6145, 36.6175, 9.0126



18.1283, 18.0346, 19.2927



21.7923, 11.2062, 2.2906



2.1542, 1.1041, 0.3935

Inverse Universe

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



44.9390, 25.4971, 12.9089



42.3665, 22.1992, 6.3557



38.5967, 45.3630, 101.3288



18.1283, 18.0346, 19.2927



21.7923, 11.2062, 2.2906



2.1542, 1.1041, 0.3935

Previews

White Background



This preview shows how the XYZ color 44.9384, 25.4956, 12.9085 looks on a white background.

Color Contrast Check

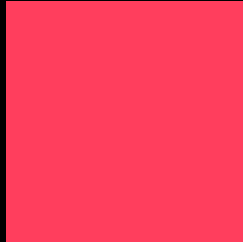
Large Text (above 18pt) WCAG AA ✓ Pass

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 44.9384, 25.4956, 12.9085 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 44.9384, 25.4956, 12.9085

Background



This preview shows how black text looks on a background with the XYZ color 44.9384, 25.4956, 12.9085.

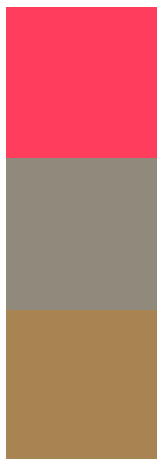


This preview shows how white text looks on a background with the XYZ color 44.9384, 25.4956,

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

44.9384, 25.4956, 12.9085

Protanopia

24.2917, 25.5869, 23.0605

Deuteranopia

25.9610, 25.4519, 11.7280



Tritanopia

43.9544, 25.5148, 8.2384

Trichromacy



Original Color

44.9384, 25.4956, 12.9085

Protanomaly

28.3237, 22.5345, 18.4795

Deuteranomaly

30.7974, 23.4829, 11.9263

Tritanomaly

44.1385, 25.4015, 9.7843

Monochromacy



Original Color

44.9384, 25.4956, 12.9085

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

24.3729, 19.1351, 17.7381

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.9384, 25.4956, 12.9085 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, 93)` looks like.

```
.text, #text, p{  
    color:rgb(255, 62, 93)  
}
```

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, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 62, 93) }
```

Border

The CSS property to change the border of an element to XYZ 44.9384, 25.4956, 12.9085 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, 93) }
```


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

```
.border{ border-color:rgb(255, 62, 93) }
```

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, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 62, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 62, 93);  
box-shadow:4px 4px 4px 4px rgb(255, 62,  
93) }
```

Background

The CSS property to change the background color of an element to XYZ 44.9384, 25.4956, 12.9085 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, 93) }
```

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

```
.background{ background-color: rgb(255, 62,  
93) }
```

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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