

Converting Colors

XYZ(45.9646, 29.1355, 8.3553)

Have a look what the booklet for
XYZ(45.9646, 29.1355, 8.3553)
contains.

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Color

**XYZ(45.9645, 29.1355,
8.3554)**

Conversions

Conversions Part 1

Format	Color
Hex	FF5B42
RGB	255, 91, 66
RGB Percent	100%, 36%, 26%
CMY	0.0000, 0.6431, 0.7412
CMYK	0.00, 0.64, 0.74, 0.00
HSL	8°, 100%, 63%
HSV	8°, 74%, 100%
XYZ	45.9645, 29.1355, 8.3554
YIQ	137.1860, 105.7690, 26.9930

Conversions

Conversions Part 2

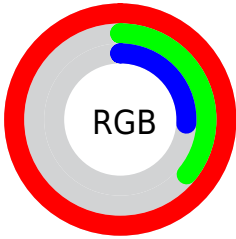
Format	Color
RYB	255, 95, 66
Decimal	16735042
CIELab	60.90, 60.99, 47.60
CIELCh	61, 77.367, 37.968
Yxy	29.1355, 0.5508, 0.3491
Android (android.graphics.Color)	4294925122 (0xFFFF5B42)
YUV	137.1860, -35.0947, 103.3229
Hunter-Lab	53.9773, 57.5418, 28.6063

Details

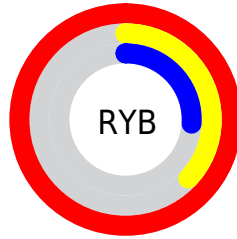
The XYZ color **45.9645, 29.1355, 8.3554** is a dark color, and the websafe version is hex **FF6633**. The color can be described as middle washed red. A complement of this color would be **48.5909, 64.9665, 104.5860**, and the grayscale version is **23.9502, 25.1975, 27.4401**.

A 20% lighter version of the original color is **54.9244, 43.6776, 21.7554**, and **21.7221, 11.7330, 1.7359** is the 20% darker color. If you saturate the color by 10%, you get **43.7524, 25.6586, 4.6991**, and if you desaturate by 10%, it is **49.0701, 33.8645, 13.9615**.

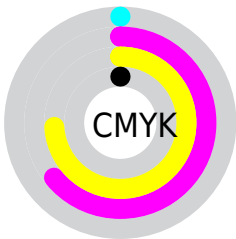
Distribution



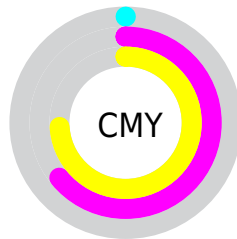
- Red (100%)
- Green (36%)
- Blue (26%)



- Red (100%)
- Yellow (37%)
- Blue (26%)



- Cyan (0%)
- Magenta (64%)
- Yellow (74%)
- Black (0%)





- Cyan (0%)
- Magenta (64%)
- Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.9645, 29.1355, 8.3554 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 45.9645, 29.1355, 8.3554 by changing the saturation by 10% instead.


 45.9645, 29.1355,
8.3554


 45.9645, 29.1355,
8.3554

361.3842,
297.8537, 188.5311

 32.4223, 19.1833,
4.2322


 83.3941, 58.2923,
23.2098


 21.8414, 11.8028,
1.7536


 108.0121, 78.2657,
34.7781

 13.8563, 6.6096,
0.3971


 137.0529,
102.3484, 49.6652

 8.1019, 3.2192,
0.0000

 170.8817,
130.9247, 68.2896

 4.2125, 1.2472,
0.0000

 209.8638,
164.3789, 91.0698

 1.8231, 0.0997,
0.0000

254.3648,

 0.5315, 0.0000,

203.0956, 118.4245

0.0000

304.7498,
247.4591, 150.7720

■ 0.0000, 0.0000,
0.0000

■ 45.9645, 29.1355,
8.3554

■ 45.9645, 29.1355,
8.3554

■ 43.7524, 25.6586,
4.6991

■ 49.0701, 33.8645,
13.9615

■ 42.3329, 23.3082,
2.7197

■ 53.1513, 39.9453,
21.7388


■ 41.8045, 22.3893,
2.1182

■ 58.2826, 47.4732,
31.8803

■ 64.5309, 56.5333,
44.5572

■ 71.9573, 67.2043,
59.9248

 80.6185, 79.5592,
78.1259

 90.5674, 93.6667,
99.2933

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.



51.6769, 29.1355, 24.6311



45.9645, 29.1355, 8.3554



35.6217, 29.1355, 3.0696

Triad

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



45.9645, 29.1355, 8.3554



13.3262, 29.1355, 15.1190



30.4684, 29.1355, 124.6253

Complementary

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



45.9645, 29.1355, 8.3554



48.5909, 64.9665, 104.5860

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.



21.0369, 29.1355, 116.0676



45.9645, 29.1355, 8.3554



12.5858, 29.1355, 40.0616

Square

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



45.9645, 29.1355, 8.3554



17.3938, 29.1355, 4.9949



15.0460, 29.1355, 79.6225



41.4172, 29.1355, 98.7312

Rectangle

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



45.9645, 29.1355, 8.3554



28.3855, 29.1355, 2.2979



15.0460, 29.1355, 79.6225



27.0107, 29.1355, 125.8775

Sweetspot

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



45.9652, 29.1372, 8.3559



73.6864, 69.6774, 63.5374



57.8889, 31.0368, 79.9927



15.3001, 14.2388, 12.6142



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.



45.9652, 29.1372, 8.3559



42.9673, 24.3784, 3.5426



59.0640, 55.3349, 12.7222



18.2031, 18.3744, 18.7315



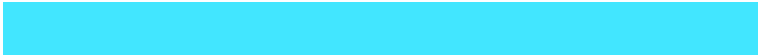
21.9030, 11.8173, 1.1265



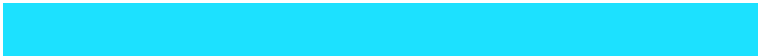
2.1897, 1.2647, 0.1287

Inverse Universe

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



48.5909, 64.9665, 104.5860



45.4471, 61.3013, 104.0448



29.4500, 26.6848, 98.2057



18.3378, 20.0472, 23.1529



23.0574, 31.0243, 54.2076



2.2995, 3.1297, 5.2962

Previews

White Background



This preview shows how the XYZ color 45.9645, 29.1355, 8.3554 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 45.9645, 29.1355, 8.3554 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 45.9645, 29.1355, 8.3554

Background



This preview shows how black text looks on a background with the XYZ color 45.9645, 29.1355, 8.3554.



This preview shows how white text looks on a background with the XYZ color 45.9645, 29.1355,

8.3554.

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

45.9645, 29.1355, 8.3554

Protanopia

26.9342, 29.1889, 12.6019

Deuteranopia

29.8348, 29.2223, 7.6824



Tritanopia

46.7882, 29.1951, 13.5251

Trichromacy



Original Color

45.9645, 29.1355, 8.3554

Protanomaly

31.6939, 27.4503, 10.6492

Deuteranomaly

34.3273, 27.9365, 7.7207

Tritanomaly

46.4575, 29.1969, 11.3706

Monochromacy



Original Color

45.9645, 29.1355, 8.3554

Achromatopsia

23.7775, 25.0158, 27.2422

Achromatomaly

28.4081, 24.2839, 18.2289

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.9645, 29.1355, 8.3554 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, 91, 66)` looks like.

```
.text, #text, p{  
    color:rgb(255, 91, 66)  
}
```

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, 91, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 91, 66) }
```

Border

The CSS property to change the border of an element to XYZ 45.9645, 29.1355, 8.3554 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, 91, 66) }
```


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

```
.border{ border-color:rgb(255, 91, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 91, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 91, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 91, 66);  
box-shadow:4px 4px 4px 4px rgb(255, 91,  
66) }
```

Background

The CSS property to change the background color of an element to XYZ 45.9645, 29.1355, 8.3554 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 91, 66) }
```

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

```
.background{ background-color: rgb(255, 91,  
66) }
```

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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