

Converting Colors

XYZ(45.7567, 29.3373, 6.3830)

Have a look what the booklet for
XYZ(45.7567, 29.3373, 6.3830)
contains.

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Color

**XYZ(45.7519, 29.3277,
6.3814)**

Conversions

Conversions Part 1

Format	Color
Hex	FF5D33
RGB	255, 93, 51
RGB Percent	100%, 36%, 20%
CMY	0.0000, 0.6353, 0.8000
CMYK	0.00, 0.64, 0.80, 0.00
HSL	12°, 100%, 60%
HSV	12°, 80%, 100%
XYZ	45.7519, 29.3277, 6.3814
YIQ	136.6500, 110.0340, 21.2820

Conversions

Conversions Part 2

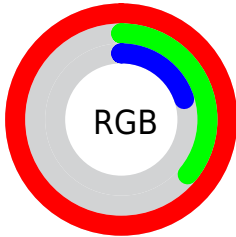
Format	Color
R_{YB}	255, 104, 51
Decimal	16735539
CIE _{Lab}	61.07, 59.66, 55.19
CIE _{LCh}	61, 81.273, 42.773
Yxy	29.3277, 0.5616, 0.3600
Android (android.graphics.Color)	4294925619 (0xFFFF5D33)
YUV	136.6500, -42.2254, 103.7930
Hunter-Lab	54.1551, 56.0311, 30.9221

Details

The XYZ color **45.7519, 29.3277, 6.3814** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed red. A complement of this color would be **43.2070, 55.5075, 103.0438**, and the grayscale version is **23.7723, 25.0103, 27.2362**.

A 20% lighter version of the original color is **54.3364, 43.6945, 17.8820**, and **21.7252, 11.9271, 1.1571** is the 20% darker color. If you saturate the color by 10%, you get **43.7875, 26.0660, 3.6717**, and if you desaturate by 10%, it is **48.4958, 33.6568, 10.8697**.

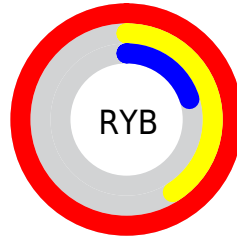
Distribution



Red (100%)

Green (36%)

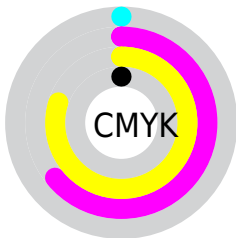
Blue (20%)



Red (100%)

Yellow (41%)

Blue (20%)

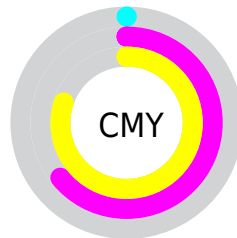


Cyan (0%)

Magenta (64%)

Yellow (80%)

Black (0%)



Cyan (0%)


Magenta (64%)


Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.7519, 29.3277, 6.3814 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 45.7519, 29.3277, 6.3814 by changing the saturation by 10% instead.


 45.7519, 29.3277,
6.3814


 45.7519, 29.3277,
6.3814


360.5430,
298.7580, 171.8509

 32.2539, 19.3289,
3.0058


 83.0777, 58.5973,
19.2087


 21.7120, 11.9081,
1.0976


 107.6362, 78.6369,
29.4975

 13.7608, 6.6812,
0.0000


 136.6123,
102.7922, 42.9278

 8.0351, 3.2635,
0.0000

 170.3712,
131.4476, 59.9182

 4.1694, 1.2708,
0.0000

 209.2784,
164.9875, 80.8872

 1.7984, 0.1184,
0.0000

 253.6992,

 0.5167, 0.0000,

203.7962, 106.2532

0.0000

303.9989,
248.2583, 136.4350

■ 0.0000, 0.0000,
0.0000

■ 45.7519, 29.3277,
6.3814

■ 45.7519, 29.3277,
6.3814

■ 43.7875, 26.0660,
3.6717

■ 48.4958, 33.6568,
10.8697

■ 42.4907, 23.7619,
2.3470

■ 52.0953, 39.1337,
17.3786

■ 42.4907, 23.7617,
2.3470

■ 56.6187, 45.8362,
26.1136

■ 62.1267, 53.8340,
37.2541

■ 68.6744, 63.1912,
50.9614

76.3130, 73.9677,
67.3825

85.0900, 86.2197,
86.6534

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.



52.9675, 29.3277, 20.6516



45.7519, 29.3277, 6.3814



34.3841, 29.3277, 2.2957

Triad

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



45.7519, 29.3277, 6.3814



12.5444, 29.3277, 17.5331



32.6473, 29.3277, 129.9406

Complementary

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



45.7519, 29.3277, 6.3814



43.2070, 55.5075, 103.0438

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.



22.2442, 29.3277, 126.9590



45.7519, 29.3277, 6.3814



12.3042, 29.3277, 46.7174

Square

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



45.7519, 29.3277, 6.3814



16.1619, 29.3277, 5.3426



15.3925, 29.3277, 90.5386



44.2049, 29.3277, 97.1448

Rectangle

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



45.7519, 29.3277, 6.3814



26.8971, 29.3277, 1.8809



15.3925, 29.3277, 90.5386



28.8765, 29.3277, 133.4931

Sweetspot

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



45.7525, 29.3294, 6.3819



73.1236, 69.4829, 60.4788



54.5867, 28.4929, 66.3748



15.0757, 14.0591, 11.7095



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.



45.7525, 29.3294, 6.3819



42.9439, 24.5785, 2.7736



61.0846, 59.9935, 11.4925



18.3123, 18.5929, 18.7679



22.2870, 12.5852, 1.2545



2.2437, 1.3728, 0.1467

Inverse Universe

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



43.2070, 55.5075, 103.0438



39.9108, 50.7520, 102.3003



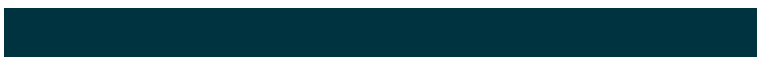
25.2316, 19.5565, 97.0520



18.2186, 19.8087, 23.1132



20.6381, 26.1857, 53.4012



2.0857, 2.7021, 5.2249

Previews

White Background



This preview shows how the XYZ color 45.7519, 29.3277, 6.3814 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 45.7519, 29.3277, 6.3814 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

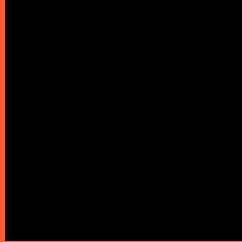
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.7519, 29.3277, 6.3814

Background



This preview shows how black text looks on a background with the XYZ color 45.7519, 29.3277, 6.3814.



This preview shows how white text looks on a background with the XYZ color 45.7519, 29.3277,

6.3814.

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

45.7519, 29.3277, 6.3814

Protanopia

26.8831, 29.4657, 9.4248

Deuteranopia

29.9617, 29.3288, 5.8321



Tritanopia

46.9165, 29.3805, 13.7879

Trichromacy



Original Color

45.7519, 29.3277, 6.3814

Protanomaly

31.5874, 27.6456, 8.0862

Deuteranomaly

34.3648, 28.1820, 5.8189

Tritanomaly

46.3562, 29.2922, 10.4184

Monochromacy



Original Color

45.7519, 29.3277, 6.3814

Achromatopsia

23.7775, 25.0158, 27.2422

Achromatomaly

28.2613, 24.4187, 16.8594

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.7519, 29.3277, 6.3814 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, 93, 51)` looks like.

```
.text, #text, p{  
    color:rgb(255, 93, 51)  
}
```

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, 93, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 93, 51) }
```

Border

The CSS property to change the border of an element to XYZ 45.7519, 29.3277, 6.3814 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, 93, 51) }
```


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

```
.border{ border-color:rgb(255, 93, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 93, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 93, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 93, 51);  
box-shadow:4px 4px 4px 4px rgb(255, 93,  
51) }
```

Background

The CSS property to change the background color of an element to XYZ 45.7519, 29.3277, 6.3814 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 93, 51) }
```

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

```
.background{ background-color: rgb(255, 93,  
51) }
```

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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