

Converting Colors

XYZ(42.7435, 26.0591, 5.9094)

Have a look what the booklet for
XYZ(42.7435, 26.0591, 5.9094)
contains.

XYZ(42.7463, 26.0118, 5.8998)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(42.7463, 26.0118,
5.8998)**

Conversions

Conversions Part 1

Format	Color
Hex	FA4E33
RGB	250, 78, 51
RGB Percent	98%, 31%, 20%
CMY	0.0196, 0.6941, 0.8000
CMYK	0.00, 0.69, 0.80, 0.02
HSL	8°, 95%, 59%
HSV	8°, 80%, 98%
XYZ	42.7463, 26.0118, 5.8998
YIQ	126.3500, 111.1790, 28.0670

Conversions

Conversions Part 2

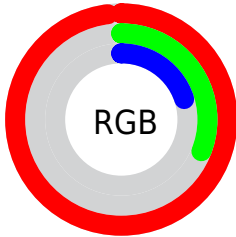
Format	Color
R_{YB}	250, 82, 51
Decimal	16404019
CIE _{Lab}	58.05, 63.91, 51.99
CIE _{LCh}	58, 82.382, 39.128
Yxy	26.0118, 0.5726, 0.3484
Android (android.graphics.Color)	4294594099 (0xFFFA4E33)
YUV	126.3500, -37.1475, 108.4411
Hunter-Lab	51.0018, 60.3538, 28.8427

Details

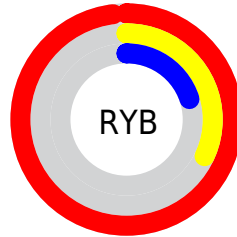
The XYZ color **42.7463, 26.0118, 5.8998** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **45.0052, 60.3753, 99.7234**, and the grayscale version is **20.0481, 21.0922, 22.9694**.

A 20% lighter version of the original color is **52.3444, 39.7884, 16.9777**, and **20.0185, 10.3187, 0.9940** is the 20% darker color. If you saturate the color by 10%, you get **41.0444, 23.2662, 3.3049**, and if you desaturate by 10%, it is **45.2493, 29.8870, 10.2216**.

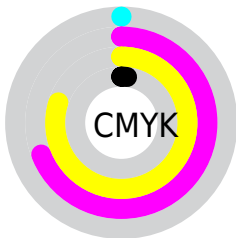
Distribution



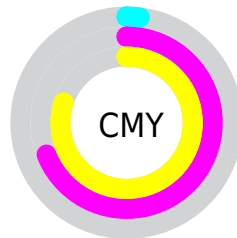
- Red (98%)
- Green (31%)
- Blue (20%)



- Red (98%)
- Yellow (32%)
- Blue (20%)



- Cyan (0%)
- Magenta (69%)
- Yellow (80%)
- Black (2%)





- Cyan (2%)
- Magenta (69%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.7463, 26.0118, 5.8998 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 42.7463, 26.0118, 5.8998 by changing the saturation by 10% instead.


 42.7463, 26.0118,
5.8998


 42.7463, 26.0118,
5.8998

348.5066,
282.8400, 167.4485

 29.8798, 16.8325,
2.7164


 78.5860, 53.2940,
18.1966


 19.8950, 10.1151,
0.9517


 102.2898, 72.1656,
28.1472


 12.4265, 5.4754,
0.0000


 130.3368, 95.0368,
41.1905

 7.1091, 2.5288,
0.0000

 163.0924,
122.2920, 57.7453

 3.5774, 0.8910,
0.0000

 200.9217,
154.3155, 78.2299

 1.4659, 0.0000,
0.0000

 244.1903,

 0.3025, 0.0000,

191.4917, 103.0629

0.0000

293.2635,
234.2051, 132.6629

■ 0.0000, 0.0000,
0.0000

■ 42.7463, 26.0118,
5.8998

■ 42.7463, 26.0118,
5.8998

■ 41.0444, 23.2662,
3.3049

■ 45.2493, 29.8870,
10.2216

■ 40.0247, 21.5163,
2.0723


■ 48.6379, 34.9930,
16.5031


■ 39.9942, 21.4641,
2.0351


■ 52.9873, 41.4247,
24.9421


■ 58.3641, 49.2663,
35.7119

■ 64.8290, 58.5953,
48.9680

 72.4378, 69.4830,
64.8526

 81.2425, 81.9965,
83.4971

 91.2918, 96.1989,
105.0241

 93.2341, 99.0639,
108.8150

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



48.8514, 26.0118, 20.4844



42.7463, 26.0118, 5.8998



32.1906, 26.0118, 1.7730

Triad

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



42.7463, 26.0118, 5.8998



10.8028, 26.0118, 12.9352



27.8866, 26.0118, 124.2687

Complementary

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



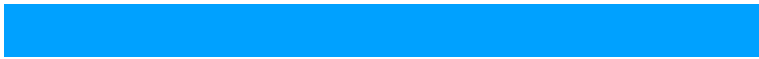
42.7463, 26.0118, 5.8998



45.0052, 60.3753, 99.7234

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.



18.5108, 26.0118, 116.6484



42.7463, 26.0118, 5.8998



10.2295, 26.0118, 37.9413

Square

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



42.7463, 26.0118, 5.8998



14.5033, 26.0118, 3.5283



12.6476, 26.0118, 78.9233



38.8792, 26.0118, 95.6965

Rectangle

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



42.7463, 26.0118, 5.8998



25.0159, 26.0118, 1.2649



12.6476, 26.0118, 78.9233



24.4333, 26.0118, 126.1218

Sweetspot

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



42.7469, 26.0133, 5.9002



72.1008, 67.4373, 60.1378



53.9902, 28.0445, 72.7096



14.8363, 13.5804, 11.6298



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.



42.7469, 26.0133, 5.9002



42.1754, 23.0413, 2.5174



55.7504, 52.0204, 10.2347



17.4345, 17.6049, 17.9416



21.2728, 11.5022, 1.0990



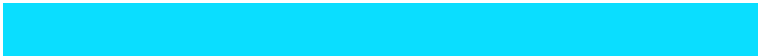
2.0270, 1.1788, 0.1207

Inverse Universe

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



45.0052, 60.3753, 99.7234



44.2386, 59.4077, 103.7430



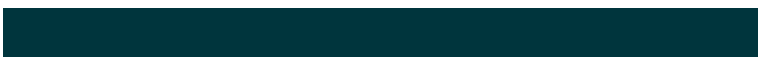
25.8241, 22.0130, 93.3297



17.5531, 19.1831, 22.1629



22.2655, 29.8865, 52.5687



2.1159, 2.8756, 4.8867

Previews

White Background



This preview shows how the XYZ color 42.7463, 26.0118, 5.8998 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 42.7463, 26.0118, 5.8998 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 42.7463, 26.0118, 5.8998

Background



This preview shows how black text looks on a background with the XYZ color 42.7463, 26.0118, 5.8998.



This preview shows how white text looks on a background with the XYZ color 42.7463, 26.0118,

5.8998.

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

42.7463, 26.0118, 5.8998

Protanopia

23.9698, 26.1544, 9.4152

Deuteranopia

26.6105, 26.1325, 5.3106



Tritanopia

43.6749, 26.0914, 9.9420

Trichromacy



Original Color

42.7463, 26.0118, 5.8998

Protanomaly

28.4660, 24.0175, 7.6930

Deuteranomaly

30.9340, 24.6669, 5.2286

Tritanomaly

43.4115, 26.0955, 8.2177

Monochromacy



Original Color

42.7463, 26.0118, 5.8998

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

24.5154, 20.4961, 14.4684

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.7463, 26.0118, 5.8998 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(250, 78, 51)` looks like.

```
.text, #text, p{  
    color:rgb(250, 78, 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(250, 78, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 78, 51) }
```

Border

The CSS property to change the border of an element to XYZ 42.7463, 26.0118, 5.8998 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(250, 78, 51) }
```


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

```
.border{ border-color:rgb(250, 78, 51) }
```

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

Here you see how a box with a 4 pixel rgb(250, 78, 51) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 78, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 78, 51);  
box-shadow:4px 4px 4px 4px rgb(250, 78,  
51) }
```

Background

The CSS property to change the background color of an element to XYZ 42.7463, 26.0118, 5.8998 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 78, 51) }
```

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

```
.background{ background-color: rgb(250, 78,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor