

Converting Colors

XYZ(42.4763, 26.4811, 2.8726)

Have a look what the booklet for
XYZ(42.4763, 26.4811, 2.8726)
contains.

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Color

**XYZ(42.5176, 26.5105,
2.8761)**

Conversions

Conversions Part 1

Format	Color
Hex	FA5300
RGB	250, 83, 0
RGB Percent	98%, 33%, 0%
CMY	0.0196, 0.6745, 1.0000
CMYK	0.00, 0.67, 1.00, 0.02
HSL	20°, 100%, 49%
HSV	20°, 100%, 98%
XYZ	42.5176, 26.5105, 2.8761
YIQ	123.4710, 126.1750, 9.5910

Conversions

Conversions Part 2

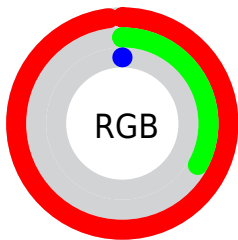
Format	Color
R _Y B	250, 124, 0
Decimal	16405248
CIE Lab	58.52, 61.20, 68.92
CIE LCh	59, 92.165, 48.396
Yxy	26.5105, 0.5913, 0.3687
Android (android.graphics.Color)	4294595328 (0xFFFA5300)
YUV	123.4710, -60.8712, 110.9659
Hunter-Lab	51.4883, 57.2956, 32.7299

Details

The XYZ color **42.5176, 26.5105, 2.8761** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark saturated red. A complement of this color would be **31.0725, 34.5366, 95.4703**, and the grayscale version is **19.1502, 20.1475, 21.9406**.

A 20% lighter version of the original color is **51.5722, 40.3978, 10.0804**, and **19.8868, 10.4297, 0.9650** is the 20% darker color. If you saturate the color by 10%, you get **42.5179, 26.5116, 2.8763**, and if you desaturate by 10%, it is **44.1290, 29.4529, 4.2791**.

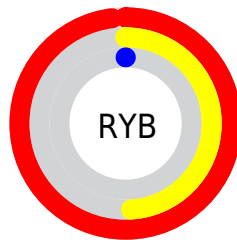
Distribution



Red (98%)

Green (33%)

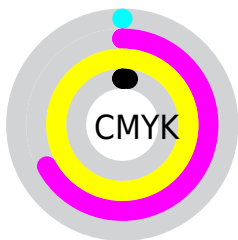
Blue (0%)



Red (98%)

Yellow (49%)

Blue (0%)

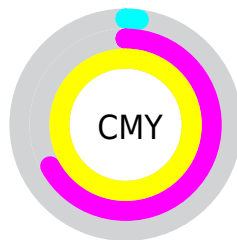


Cyan (0%)

Magenta (67%)

Yellow (100%)

Black (2%)



Cyan (2%)

Magenta (67%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.5176, 26.5105, 2.8761 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 42.5176, 26.5105, 2.8761 by changing the saturation by 10% instead.

42.5176, 26.5105,
2.8761

42.5176, 26.5105,
2.8761

347.5794,
285.2792, 134.7666

29.6997, 17.2059,
1.0317

78.2427, 54.0974,
11.3211

19.7577, 10.3814,
0.0000

101.8805, 73.1485,
18.7589

12.3263, 5.6526,
0.0000

129.8557, 96.2172,
28.8982

7.0401, 2.6350,
0.0000

162.5336,
123.6880, 42.1575

3.5337, 0.9443,
0.0000

200.2795,
155.9451, 58.9555


1.4419, 0.0000,
0.0000

243.4589,


0.2858, 0.0000,


193.3731, 79.7107


0.0000


 292.4371,
236.3564, 104.8415


 0.0000, 0.0000,
0.0000


 42.5176, 26.5105,
2.8761


 42.5176, 26.5105,
2.8761


 42.5179, 26.5116,
2.8763

 44.1290, 29.4529,
4.2791

 46.2925, 33.1395,
6.9747

 49.0965, 37.6367,
11.3342

 52.6001, 42.9953,
17.5842

 56.8544, 49.2616,
25.9152

61.9053, 56.4778,
36.4942

67.7944, 64.6835,
49.4713

74.5606, 73.9158,
64.9831

82.2398, 84.2097,
83.1562

Harmonies

Analogous

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



51.8922, 26.5105, 13.3645



42.5176, 26.5105, 2.8761



29.8170, 26.5105, 0.7419

Triad

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



42.5176, 26.5105, 2.8761



9.3628, 26.5105, 18.0865



32.6812, 26.5105, 137.0387

Complementary

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



42.5176, 26.5105, 2.8761



31.0725, 34.5366, 95.4703

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.



21.0815, 26.5105, 142.4901



42.5176, 26.5105, 2.8761



9.7108, 26.5105, 53.2425

Square

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



42.5176, 26.5105, 2.8761



12.2094, 26.5105, 4.1458



13.3651, 26.5105, 104.6869



45.1454, 26.5105, 92.8766

Rectangle

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



42.5176, 26.5105, 2.8761



22.1611, 26.5105, 0.6793



13.3651, 26.5105, 104.6869



28.4991, 26.5105, 144.2480

Sweetspot

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



42.5182, 26.5121, 2.8765



70.8955, 67.6330, 51.7011



46.7589, 23.2579, 40.4699



14.5948, 13.6736, 9.7731



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.



42.5182, 26.5121, 2.8765



44.4625, 27.7050, 3.0042



61.0566, 63.5889, 9.0560



17.7154, 18.1667, 18.0352



22.6704, 14.2974, 1.5648



2.1927, 1.5102, 0.1759

Inverse Universe

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



31.0725, 34.5366, 95.4703



32.4869, 36.0937, 99.8623



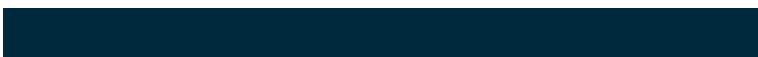
18.2259, 8.8433, 91.1881



17.2519, 18.5805, 22.0624



16.6194, 18.5943, 50.6867



1.6365, 1.9166, 4.7269

Previews

White Background



This preview shows how the XYZ color 42.5176, 26.5105, 2.8761 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 42.5176, 26.5105, 2.8761 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 42.5176, 26.5105, 2.8761

Background



This preview shows how black text looks on a background with the XYZ color 42.5176, 26.5105, 2.8761.



This preview shows how white text looks on a background with the XYZ color 42.5176, 26.5105,

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

42.5176, 26.5105, 2.8761

Protanopia

24.1575, 26.7915, 4.8753

Deuteranopia

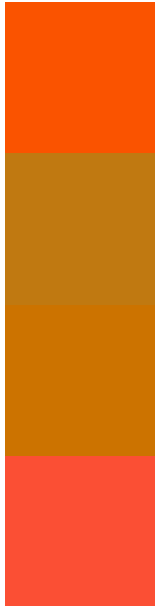
26.8852, 26.5152, 3.7009



Tritanopia

44.2840, 26.5973, 10.5843

Trichromacy



Original Color

42.5176, 26.5105, 2.8761

Protanomaly

28.6768, 24.9217, 3.8292

Deuteranomaly

31.0326, 25.0988, 3.2090

Tritanomaly

43.1995, 26.3491, 6.0578

Monochromacy



Original Color

42.5176, 26.5105, 2.8761

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

23.0999, 19.7102, 9.7947

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.5176, 26.5105, 2.8761 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, 83, 0)` looks like.

```
.text, #text, p{  
    color:rgb(250, 83, 0)  
}
```

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, 83, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 83, 0) }
```

Border

The CSS property to change the border of an element to XYZ 42.5176, 26.5105, 2.8761 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, 83, 0) }
```


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

```
.border{ border-color:rgb(250, 83, 0) }
```

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

Here you see how a box with a 4 pixel rgb(250, 83, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 83, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 83, 0);  
box-shadow:4px 4px 4px 4px rgb(250, 83, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 42.5176, 26.5105, 2.8761 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 83, 0) }
```

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

```
.background{ background-color: rgb(250, 83,  
0) }
```

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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