

Converting Colors

XYZ(42.2428, 26.2650, 0.3161)

Have a look what the booklet for
XYZ(42.2428, 26.2650, 0.3161)
contains.

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Color

**XYZ(42.8010, 26.5438,
2.8676)**

Conversions

Conversions Part 1

Format	Color
Hex	FB5200
RGB	251, 82, 0
RGB Percent	98%, 32%, 0%
CMY	0.0157, 0.6784, 1.0000
CMYK	0.00, 0.67, 1.00, 0.02
HSL	20°, 100%, 49%
HSV	20°, 100%, 98%
XYZ	42.8010, 26.5438, 2.8676
YIQ	123.1830, 127.0460, 10.3260

Conversions

Conversions Part 2

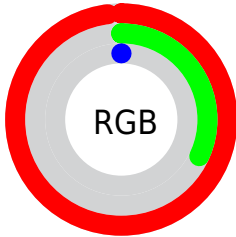
Format	Color
R_YB	251, 122, 0
Decimal	16470528
CIE Lab	58.55, 61.91, 69.03
CIE LCh	59, 92.724, 48.113
Yxy	26.5438, 0.5927, 0.3676
Android (android.graphics.Color)	4294660608 (0xFFFB5200)
YUV	123.1830, -60.7292, 112.0955
Hunter-Lab	51.5207, 58.1284, 32.7644

Details

The XYZ color **42.8010, 26.5438, 2.8676** 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 **31.5991, 35.3382, 96.4217**, and the grayscale version is **19.0538, 20.0461, 21.8302**.

A 20% lighter version of the original color is **51.4268, 40.1069, 10.0319**, and **20.0836, 10.4662, 0.9617** is the 20% darker color. If you saturate the color by 10%, you get **42.8013, 26.5449, 2.8678**, and if you desaturate by 10%, it is **44.4133, 29.4864, 4.2762**.

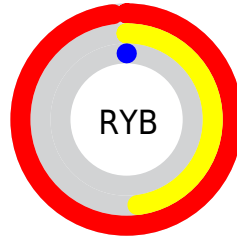
Distribution



Red (98%)

Green (32%)

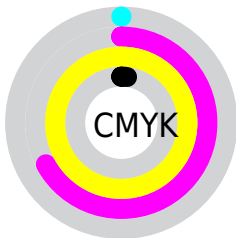
Blue (0%)



Red (98%)

Yellow (48%)

Blue (0%)

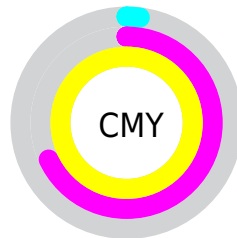


Cyan (0%)

Magenta (67%)

Yellow (100%)

Black (2%)



Cyan (2%)


Magenta (68%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.8010, 26.5438, 2.8676 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 42.8010, 26.5438, 2.8676 by changing the saturation by 10% instead.


 42.8010, 26.5438,
2.8676

 42.8010, 26.5438,
2.8676


348.7281,
285.4414, 134.6560


 29.9229, 17.2309,
1.0274


 78.6681, 54.1509,
11.2999


 19.9278, 10.3993,
0.0000

 102.3877, 73.2140,
18.7292


 12.4505, 5.6645,
0.0000


 130.4518, 96.2958,
28.8586

 7.1257, 2.6422,
0.0000

 163.2259,
123.7809, 42.1066

 3.5878, 0.9479,
0.0000

 201.0752,
156.0536, 58.8918


 1.4717, 0.0000,
0.0000

 244.3651,


 0.3065, 0.0000,


193.4984, 79.6328


0.0000


 293.4610,
236.4995, 104.7480


 0.0000, 0.0000,
0.0000


 42.8010, 26.5438,
2.8676


 42.8010, 26.5438,
2.8676


 42.8013, 26.5449,
2.8678

 44.4133, 29.4864,
4.2762

 46.5870, 33.1880,
6.9913

 49.4115, 37.7166,
11.3871

 52.9471, 43.1247,
17.6927

 57.2459, 49.4597,
26.1008

■ 62.3545, 56.7652,
36.7802

■ 68.3156, 65.0819,
49.8823

■ 75.1684, 74.4479,
65.5455

■ 82.9499, 84.8992,
83.8975

Harmonies

Analogous

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



52.2007, 26.5438, 13.4912



42.8010, 26.5438, 2.8676



30.0006, 26.5438, 0.7139

Triad

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



42.8010, 26.5438, 2.8676



9.3240, 26.5438, 17.8371



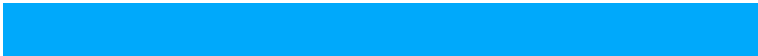
32.6463, 26.5438, 138.4290

Complementary

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



42.8010, 26.5438, 2.8676



31.5991, 35.3382, 96.4217

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.



20.9924, 26.5438, 143.4848



42.8010, 26.5438, 2.8676



9.6437, 26.5438, 53.0345

Square

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



42.8010, 26.5438, 2.8676



12.2126, 26.5438, 4.0251



13.2760, 26.5438, 104.9516



45.2312, 26.5438, 94.0080

Rectangle

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



42.8010, 26.5438, 2.8676



22.2708, 26.5438, 0.6398



13.2760, 26.5438, 104.9516



28.4384, 26.5438, 145.5770

Sweetspot

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



42.8016, 26.5454, 2.8680



70.7991, 67.4403, 51.6689



47.1836, 23.4692, 40.8304



14.5724, 13.6287, 9.7656



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.



42.8016, 26.5454, 2.8680



44.3574, 27.4949, 2.9691



61.6108, 64.1639, 9.1378



17.7077, 18.1513, 18.0326



22.6158, 14.1882, 1.5466



2.1869, 1.4986, 0.1740

Inverse Universe

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



31.5991, 35.3382, 96.4217



32.7426, 36.6052, 99.9475



18.3903, 8.9206, 92.0188



17.2599, 18.5966, 22.0651



16.7482, 18.8519, 50.7296



1.6477, 1.9391, 4.7306

Previews

White Background



This preview shows how the XYZ color 42.8010, 26.5438, 2.8676 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 42.8010, 26.5438, 2.8676 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 42.8010, 26.5438, 2.8676

Background



This preview shows how black text looks on a background with the XYZ color 42.8010, 26.5438, 2.8676.



This preview shows how white text looks on a background with the XYZ color 42.8010, 26.5438,

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

42.8010, 26.5438, 2.8676

Protanopia

24.1689, 26.7961, 4.9352

Deuteranopia

26.8852, 26.5152, 3.7009



Tritanopia

44.1773, 26.4435, 10.3651

Trichromacy



Original Color

42.8010, 26.5438, 2.8676

Protanomaly

28.5559, 24.6799, 3.7889

Deuteranomaly

31.3076, 25.2406, 3.2218

Tritanomaly

43.4668, 26.3832, 5.9335

Monochromacy



Original Color

42.8010, 26.5438, 2.8676

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

23.3153, 19.8212, 9.8048

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.8010, 26.5438, 2.8676 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(251, 82, 0)` looks like.

```
.text, #text, p{  
    color:rgb(251, 82, 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(251, 82, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 82, 0) }
```

Border

The CSS property to change the border of an element to XYZ 42.8010, 26.5438, 2.8676 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(251, 82, 0) }
```


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

```
.border{ border-color:rgb(251, 82, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(251, 82, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 82, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 82, 0);  
box-shadow:4px 4px 4px 4px rgb(251, 82, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 42.8010, 26.5438, 2.8676 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 82, 0) }
```

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

```
.background{ background-color: rgb(251, 82,  
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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