

Converting Colors

XYZ(42.1995, 25.9274, 2.7803)

Have a look what the booklet for
XYZ(42.1995, 25.9274, 2.7803)
contains.

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Color

**XYZ(42.2203, 25.9160,
2.7770)**

Conversions

Conversions Part 1

Format	Color
Hex	FA4F00
RGB	250, 79, 0
RGB Percent	98%, 31%, 0%
CMY	0.0196, 0.6901, 1.0000
CMYK	0.00, 0.68, 1.00, 0.02
HSL	19°, 100%, 49%
HSV	19°, 100%, 98%
XYZ	42.2203, 25.9160, 2.7770
YIQ	121.1230, 127.2750, 11.6830

Conversions

Conversions Part 2

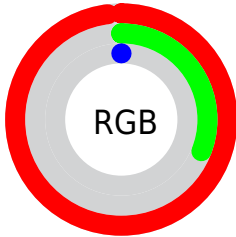
Format	Color
R_{YB}	250, 115, 0
Decimal	16404224
CIE Lab	57.96, 62.72, 68.64
CIE LCh	58, 92.982, 47.580
Yxy	25.9160, 0.5954, 0.3655
Android (android.graphics.Color)	4294594304 (0xFFFA4F00)
YUV	121.1230, -59.7136, 113.0251
Hunter-Lab	50.9078, 58.9502, 32.4012

Details

The XYZ color **42.2203, 25.9160, 2.7770** 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 **31.8162, 36.0240, 95.7181**, and the grayscale version is **18.3738, 19.3306, 21.0511**.

A 20% lighter version of the original color is **50.9696, 39.2385, 9.7379**, and **19.7672, 10.1903, 0.9251** is the 20% darker color. If you saturate the color by 10%, you get **42.2207, 25.9172, 2.7772**, and if you desaturate by 10%, it is **43.7925, 28.7800, 4.1669**.

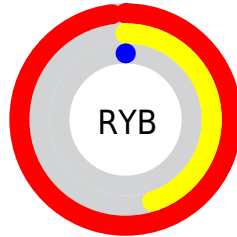
Distribution



Red (98%)

Green (31%)

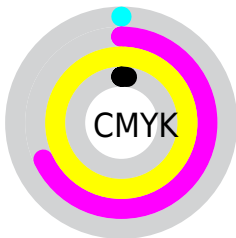
Blue (0%)



Red (98%)

Yellow (45%)

Blue (0%)

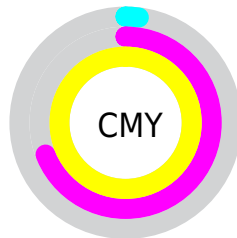


Cyan (0%)

Magenta (68%)

Yellow (100%)

Black (2%)



Cyan (2%)


Magenta (69%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.2203, 25.9160, 2.7770 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 42.2203, 25.9160, 2.7770 by changing the saturation by 10% instead.


 42.2203, 25.9160,
2.7770


 42.2203, 25.9160,
2.7770


346.3715,
282.3695, 133.4677


 29.4657, 16.7608,
0.9819


 77.7960, 53.1394,
11.0730


 19.5794, 10.0641,
0.0000


 101.3478, 71.9764,
18.4111


 12.1962, 5.4415,
0.0000


 129.2294, 94.8095,
28.4338

 6.9506, 2.5086,
0.0000

 161.8061,
122.0230, 41.5599

 3.4773, 0.8809,
0.0000

 199.4433,
154.0013, 58.2078


 1.4109, 0.0000,
0.0000

 242.5064,


 0.2640, 0.0000,


191.1290, 78.7960


0.0000


 291.3606,
233.7902, 103.7431


 0.0000, 0.0000,
0.0000


 42.2203, 25.9160,
2.7770


 42.2203, 25.9160,
2.7770


 42.2207, 25.9172,
2.7772

 43.7925, 28.7800,
4.1669

 45.9283, 32.4113,
6.8533

 48.7179, 36.8794,
11.2078

 52.2216, 42.2385,
17.4577

 56.4921, 48.5372,
25.7941

61.5765, 55.8205,
36.3842

67.5176, 64.1300,
49.3785

74.3551, 73.5051,
64.9140

82.1261, 83.9826,
83.1175

Harmonies

Analogous

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



51.4229, 25.9160, 13.3782



42.2203, 25.9160, 2.7770



29.5650, 25.9160, 0.6376

Triad

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



42.2203, 25.9160, 2.7770



9.0093, 25.9160, 16.9151



31.7331, 25.9160, 137.4503

Complementary

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



42.2203, 25.9160, 2.7770



31.8162, 36.0240, 95.7181

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.



20.2814, 25.9160, 141.6255



42.2203, 25.9160, 2.7770



9.2686, 25.9160, 51.2711

Square

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



42.2203, 25.9160, 2.7770



11.9008, 25.9160, 3.7018



12.7659, 25.9160, 102.7213



44.2164, 25.9160, 93.6989

Rectangle

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



42.2203, 25.9160, 2.7770



21.8970, 25.9160, 0.5423



12.7659, 25.9160, 102.7213



27.5865, 25.9160, 144.2954

Sweetspot

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



42.2209, 25.9175, 2.7774



70.6060, 67.0540, 51.6046



47.1619, 23.4190, 42.5922



14.5274, 13.5388, 9.7506



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.



42.2209, 25.9175, 2.7774



44.1521, 27.0842, 2.9007



60.0782, 61.6323, 8.7298



17.6922, 18.1203, 18.0275



22.5088, 13.9743, 1.5110



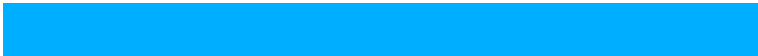
2.1755, 1.4759, 0.1702

Inverse Universe

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



31.8162, 36.0240, 95.7181



33.2652, 37.6505, 100.1217



18.3959, 9.1835, 91.2446



17.2761, 18.6291, 22.0705



17.0113, 19.3782, 50.8173



1.6706, 1.9850, 4.7383

Previews

White Background



This preview shows how the XYZ color 42.2203, 25.9160, 2.7770 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 42.2203, 25.9160, 2.7770 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 42.2203, 25.9160, 2.7770

Background



This preview shows how black text looks on a background with the XYZ color 42.2203, 25.9160, 2.7770.



This preview shows how white text looks on a background with the XYZ color 42.2203, 25.9160,

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

42.2203, 25.9160, 2.7770

Protanopia

23.4805, 26.0034, 4.8185

Deuteranopia

26.2920, 26.0052, 3.6338



Tritanopia

43.5720, 25.9426, 9.7321

Trichromacy



Original Color

42.2203, 25.9160, 2.7770

Protanomaly

28.0655, 24.0737, 3.6978

Deuteranomaly

30.5337, 24.5068, 3.1210

Tritanomaly

42.9225, 25.8999, 5.6426

Monochromacy



Original Color

42.2203, 25.9160, 2.7770

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

22.6420, 19.1687, 9.5277

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.2203, 25.9160, 2.7770 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, 79, 0)` looks like.

```
.text, #text, p{  
    color:rgb(250, 79, 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, 79, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 79, 0) }
```

Border

The CSS property to change the border of an element to XYZ 42.2203, 25.9160, 2.7770 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, 79, 0) }
```


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

```
.border{ border-color:rgb(250, 79, 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, 79, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 79, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 79, 0);  
box-shadow:4px 4px 4px 4px rgb(250, 79, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 42.2203, 25.9160, 2.7770 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 79, 0) }
```

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

```
.background{ background-color: rgb(250, 79,  
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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