

Converting Colors

XYZ(41.5794, 25.6747, 2.7642)

Have a look what the booklet for
XYZ(41.5794, 25.6747, 2.7642)
contains.

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Color

**XYZ(41.5801, 25.6938,
2.7679)**

Conversions

Conversions Part 1

Format	Color
Hex	F85000
RGB	248, 80, 0
RGB Percent	97%, 31%, 0%
CMY	0.0275, 0.6862, 1.0000
CMYK	0.00, 0.68, 1.00, 0.03
HSL	19°, 100%, 49%
HSV	19°, 100%, 97%
XYZ	41.5801, 25.6938, 2.7679
YIQ	121.1120, 125.8080, 10.7360

Conversions

Conversions Part 2

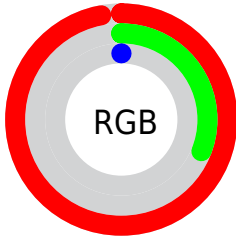
Format	Color
RYB	248, 118, 0
Decimal	16273408
CIELab	57.75, 61.70, 68.34
CIElCh	58, 92.070, 47.925
Yxy	25.6938, 0.5936, 0.3668
Android (android.graphics.Color)	4294463488 (0xFFFF85000)
YUV	121.1120, -59.7082, 111.2808
Hunter-Lab	50.6891, 57.7173, 32.2448

Details

The XYZ color **41.5801, 25.6938, 2.7679** 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 **30.9445, 34.7798, 93.8885**, and the grayscale version is **18.3704, 19.3271, 21.0473**.

A 20% lighter version of the original color is **51.1111, 39.5215, 9.7850**, and **19.3131, 9.9885, 0.9101** is the 20% darker color. If you saturate the color by 10%, you get **41.5804, 25.6948, 2.7681**, and if you desaturate by 10%, it is **43.1417, 28.5401, 4.1437**.

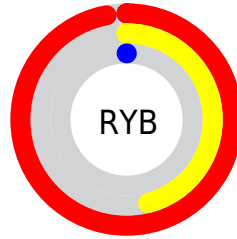
Distribution



Red (97%)

Green (31%)

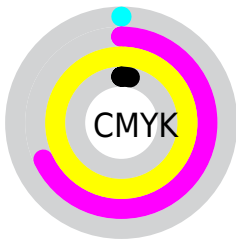
Blue (0%)



Red (97%)

Yellow (46%)

Blue (0%)

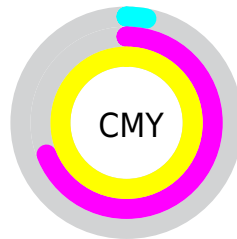


Cyan (0%)

Magenta (68%)

Yellow (100%)

Black (3%)



Cyan (3%)


Magenta (69%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.5801, 25.6938, 2.7679 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 41.5801, 25.6938, 2.7679 by changing the saturation by 10% instead.


 41.5801, 25.6938,
2.7679


 41.5801, 25.6938,
2.7679


343.7606,
281.2757, 133.3473

 28.9623, 16.5947,
0.9774


 76.8329, 52.7806,
11.0501


 19.1965, 9.9460,
0.0000


 100.1986, 71.5370,
18.3789


 11.9172, 5.3631,
0.0000


 127.8777, 94.2814,
28.3909

 6.7591, 2.4619,
0.0000

 160.2354,
121.3981, 41.5046

 3.3569, 0.8574,
0.0000

 197.6372,
153.2714, 58.1385


 1.3452, 0.0000,
0.0000

 240.4485,


 0.2167, 0.0000,


190.2859, 78.7113


0.0000


 289.0345,
232.8259, 103.6413


 0.0000, 0.0000,
0.0000


 41.5801, 25.6938,
2.7679


 41.5801, 25.6938,
2.7679


 41.5804, 25.6948,
2.7681

 43.1417, 28.5401,
4.1437

 45.2517, 32.1300,
6.7898

 47.9979, 36.5304,
11.0716

 51.4391, 41.7932,
17.2115

 55.6262, 47.9651,
25.3966

60.6048, 55.0889,
35.7910

66.4165, 63.2048,
48.5416

73.0999, 72.3502,
63.7831

80.6908, 82.5608,
81.6394

Harmonies

Analogous

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



50.6875, 25.6938, 13.1307



41.5801, 25.6938, 2.7679



29.1350, 25.6938, 0.6661

Triad

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



41.5801, 25.6938, 2.7679



8.9926, 25.6938, 17.0909



31.5517, 25.6938, 134.7907

Complementary

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



41.5801, 25.6938, 2.7679



30.9445, 34.7798, 93.8885

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.



20.2454, 25.6938, 139.4214



41.5801, 25.6938, 2.7679



9.2836, 25.6938, 51.1585

Square

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



41.5801, 25.6938, 2.7679



11.8136, 25.6938, 3.8159



12.7825, 25.6938, 101.6777



43.8018, 25.6938, 91.6601

Rectangle

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



41.5801, 25.6938, 2.7679



21.6108, 25.6938, 0.5852



12.7825, 25.6938, 101.6777



27.4652, 25.6938, 141.6636

Sweetspot

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



41.5806, 25.6953, 2.7683



70.7247, 67.2914, 51.6441



45.9166, 22.8386, 39.7549



14.5551, 13.5940, 9.7598



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.



41.5806, 25.6953, 2.7683



44.2775, 27.3349, 2.9425



59.9571, 62.4482, 8.8938



17.7018, 18.1394, 18.0307



22.5741, 14.1049, 1.5327



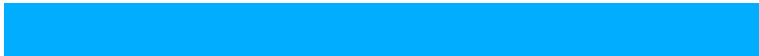
2.1825, 1.4898, 0.1725

Inverse Universe

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



30.9445, 34.7798, 93.8885



32.9425, 37.0049, 100.0142



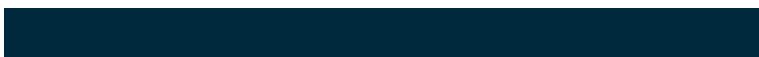
17.8997, 8.6902, 89.5402



17.2661, 18.6091, 22.0672



16.8488, 19.0532, 50.7632



1.6565, 1.9567, 4.7335

Previews

White Background



This preview shows how the XYZ color 41.5801, 25.6938, 2.7679 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 41.5801, 25.6938, 2.7679 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 41.5801, 25.6938, 2.7679

Background



This preview shows how black text looks on a background with the XYZ color 41.5801, 25.6938, 2.7679.



This preview shows how white text looks on a background with the XYZ color 41.5801, 25.6938,

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

41.5801, 25.6938, 2.7679

Protanopia

23.4692, 25.9988, 4.7586

Deuteranopia

26.1558, 25.7326, 3.5883



Tritanopia

42.9581, 25.7219, 9.9084

Trichromacy



Original Color

41.5801, 25.6938, 2.7679

Protanomaly

27.8148, 23.9445, 3.6861

Deuteranomaly

30.2622, 24.3668, 3.1083

Tritanomaly

42.2965, 25.6778, 5.7446

Monochromacy



Original Color

41.5801, 25.6938, 2.7679

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

22.4299, 19.0594, 9.5178

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.5801, 25.6938, 2.7679 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(248, 80, 0)` looks like.

```
.text, #text, p{  
    color:rgb(248, 80, 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(248, 80, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 80, 0) }
```

Border

The CSS property to change the border of an element to XYZ 41.5801, 25.6938, 2.7679 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(248, 80, 0) }
```


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

```
.border{ border-color:rgb(248, 80, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(248, 80, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 80, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 80, 0);  
box-shadow:4px 4px 4px 4px rgb(248, 80, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 41.5801, 25.6938, 2.7679 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 80, 0) }
```

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

```
.background{ background-color: rgb(248, 80,  
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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