

Converting Colors

XYZ(40.8617, 25.9271, 2.8508)

Have a look what the booklet for
XYZ(40.8617, 25.9271, 2.8508)
contains.

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Color

**XYZ(40.9047, 25.9095,
2.8451)**

Conversions

Conversions Part 1

Format	Color
Hex	F55500
RGB	245, 85, 0
RGB Percent	96%, 33%, 0%
CMY	0.0392, 0.6666, 1.0000
CMYK	0.00, 0.65, 1.00, 0.04
HSL	21°, 100%, 48%
HSV	21°, 100%, 96%
XYZ	40.9047, 25.9095, 2.8451
YIQ	123.1500, 122.6450, 7.4850

Conversions

Conversions Part 2

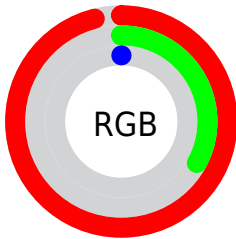
Format	Color
R_{YB}	245, 130, 0
Decimal	16078080
CIE _{Lab}	57.95, 58.74, 68.15
CIE _{LCh}	58, 89.976, 49.241
Yxy	25.9095, 0.5872, 0.3719
Android (android.graphics.Color)	4294268160 (0xFFFF55500)
YUV	123.1500, -60.7129, 106.8625
Hunter-Lab	50.9014, 54.3664, 32.3170

Details

The XYZ color **40.9047, 25.9095, 2.8451** 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 **29.0508, 31.7315, 90.9792**, and the grayscale version is **19.0437, 20.0355, 21.8186**.

A 20% lighter version of the original color is **51.7190, 40.6914, 10.1294**, and **19.0553, 10.1690, 0.9585** is the 20% darker color. If you saturate the color by 10%, you get **40.9050, 25.9106, 2.8453**, and if you desaturate by 10%, it is **42.4807, 28.7897, 4.2099**.

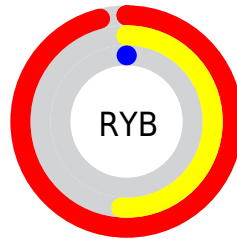
Distribution



Red (96%)

Green (33%)

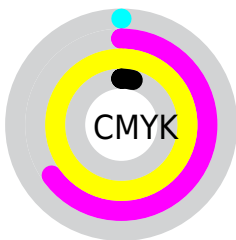
Blue (0%)



Red (96%)

Yellow (51%)

Blue (0%)

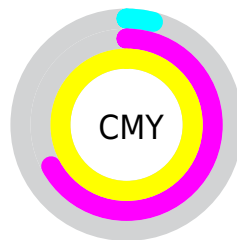


Cyan (0%)

Magenta (65%)

Yellow (100%)

Black (4%)



Cyan (4%)


Magenta (67%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.9047, 25.9095, 2.8451 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 40.9047, 25.9095, 2.8451 by changing the saturation by 10% instead.


 40.9047, 25.9095,
2.8451


 40.9047, 25.9095,
2.8451


340.9915,
282.3375, 134.3626


 28.4320, 16.7559,
1.0161


 75.8148, 53.1289,
11.2438

 18.7937, 10.0606,
0.0000


 98.9829, 71.9636,
18.6505

 11.6244, 5.4392,
0.0000


 126.4469, 94.7940,
28.7536

 6.5588, 2.5072,
0.0000

 158.5720,
122.0047, 41.9715

 3.2316, 0.8802,
0.0000

 195.7237,
153.9800, 58.7228


 1.2774, 0.0000,
0.0000

 238.2673,


 0.1662, 0.0000,


191.1043, 79.4261


0.0000


 286.5681,
233.7620, 104.4998


 0.0000, 0.0000,
0.0000


 40.9047, 25.9095,
2.8451


 40.9047, 25.9095,
2.8451


 40.9050, 25.9106,
2.8453

 42.4807, 28.7897,
4.2099

 44.5727, 32.3588,
6.8028

 47.2639, 36.6773,
10.9796

 50.6092, 41.7914,
16.9554

 54.6563, 47.7425,
24.9109

■ 59.4476, 54.5690,
35.0049

■ 65.0219, 62.3064,
47.3795

■ 71.4152, 70.9883,
62.1647

■ 78.6610, 80.6465,
79.4806

Harmonies

Analogous

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



50.0288, 25.9095, 12.7517



40.9047, 25.9095, 2.8451



28.7280, 25.9095, 0.8055

Triad

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



40.9047, 25.9095, 2.8451



9.2950, 25.9095, 18.4659



32.1575, 25.9095, 130.5128

Complementary

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



40.9047, 25.9095, 2.8451



29.0508, 31.7315, 90.9792

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.



20.9347, 25.9095, 136.9636



40.9047, 25.9095, 2.8451



9.7182, 25.9095, 52.8243

Square

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



40.9047, 25.9095, 2.8451



11.9668, 25.9095, 4.4243



13.3660, 25.9095, 101.9399



44.0404, 25.9095, 87.9281

Rectangle

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



40.9047, 25.9095, 2.8451



21.4269, 25.9095, 0.7765



13.3660, 25.9095, 101.9399



28.1291, 25.9095, 137.7531

Sweetspot

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



40.9053, 25.9110, 2.8455



71.1679, 68.1779, 51.7919



44.2968, 22.0687, 36.7325



14.6583, 13.8006, 9.7943



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.



40.9053, 25.9110, 2.8455



44.7691, 28.3182, 3.1064



59.2884, 62.6773, 8.9732



16.9693, 17.4228, 17.2661



22.1530, 14.1915, 1.5716



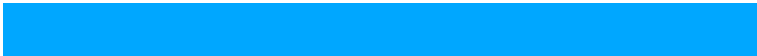
2.0393, 1.4319, 0.1689

Inverse Universe

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



29.0508, 31.7315, 90.9792



31.7813, 34.6826, 99.6271



17.2686, 8.1671, 87.0518



16.4845, 17.7333, 21.0966



15.7846, 17.3630, 49.0575



1.4831, 1.7176, 4.3436

Previews

White Background



This preview shows how the XYZ color 40.9047, 25.9095, 2.8451 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 40.9047, 25.9095, 2.8451 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 40.9047, 25.9095, 2.8451

Background



This preview shows how black text looks on a background with the XYZ color 40.9047, 25.9095, 2.8451.



This preview shows how white text looks on a background with the XYZ color 40.9047, 25.9095,

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

40.9047, 25.9095, 2.8451

Protanopia

23.4692, 25.9988, 4.7586

Deuteranopia

26.2920, 26.0052, 3.6338



Tritanopia

42.7151, 25.9907, 10.9490

Trichromacy



Original Color

40.9047, 25.9095, 2.8451

Protanomaly

27.8039, 24.2922, 3.7538

Deuteranomaly

30.3328, 24.9083, 3.2091

Tritanomaly

41.5911, 25.7347, 6.1434

Monochromacy



Original Color

40.9047, 25.9095, 2.8451

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

22.7801, 19.7028, 9.8101

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.9047, 25.9095, 2.8451 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(245, 85, 0)` looks like.

```
.text, #text, p{  
    color:rgb(245, 85, 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(245, 85, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 85, 0) }
```

Border

The CSS property to change the border of an element to XYZ 40.9047, 25.9095, 2.8451 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(245, 85, 0) }
```


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

```
.border{ border-color:rgb(245, 85, 0) }
```

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

Here you see how a box with a 4 pixel rgb(245, 85, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 85, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 85, 0);  
box-shadow:4px 4px 4px 4px rgb(245, 85, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 40.9047, 25.9095, 2.8451 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 85, 0) }
```

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

```
.background{ background-color: rgb(245, 85,  
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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