

Converting Colors

XYZ(39.7638, 25.8744, 4.6438)

Have a look what the booklet for
XYZ(39.7638, 25.8744, 4.6438)
contains.

XYZ(39.9253, 25.9712, 4.6589)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(39.9253, 25.9712,
4.6589)**

Conversions

Conversions Part 1

Format	Color
Hex	F05A25
RGB	240, 90, 37
RGB Percent	94%, 35%, 15%
CMY	0.0588, 0.6470, 0.8549
CMYK	0.00, 0.62, 0.85, 0.06
HSL	16°, 87%, 54%
HSV	16°, 85%, 94%
XYZ	39.9253, 25.9712, 4.6589
YIQ	128.8080, 106.4130, 15.3170

Conversions

Conversions Part 2

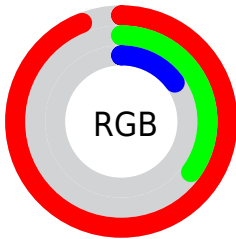
Format	Color
R _Y B	240, 109, 37
Decimal	15751717
CIE Lab	58.01, 55.45, 57.65
CIE LCh	58, 79.992, 46.113
Yxy	25.9712, 0.5659, 0.3681
Android (android.graphics.Color)	4293941797 (0xFFFF05A25)
YUV	128.8080, -45.2613, 97.5154
Hunter-Lab	50.9619, 50.6595, 30.2531

Details

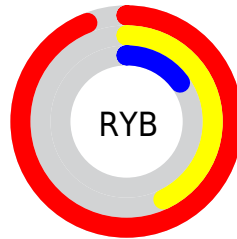
The XYZ color **39.9253, 25.9712, 4.6589** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed red. A complement of this color would be **34.2595, 42.2214, 88.7814**, and the grayscale version is **20.9276, 22.0174, 23.9770**.

A 20% lighter version of the original color is **53.1269, 42.2154, 14.5808**, and **18.3688, 10.1587, 0.9927** is the 20% darker color. If you saturate the color by 10%, you get **38.3429, 23.2248, 2.8428**, and if you desaturate by 10%, it is **42.1127, 29.5330, 7.8960**.

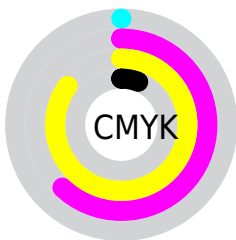
Distribution



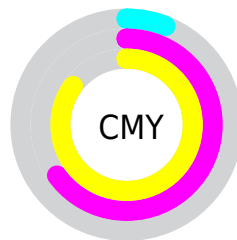
- Red (94%)
- Green (35%)
- Blue (15%)



- Red (94%)
- Yellow (43%)
- Blue (15%)



- Cyan (0%)
- Magenta (62%)
- Yellow (85%)
- Black (6%)





- Cyan (6%)
- Magenta (65%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.9253, 25.9712, 4.6589 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 39.9253, 25.9712, 4.6589 by changing the saturation by 10% instead.


 39.9253, 25.9712,
4.6589


 39.9253, 25.9712,
4.6589

336.9484,
282.6407, 155.2894


 27.6643, 16.8021,
1.9933


 74.3348, 53.2285,
15.5029


 18.2119, 10.0935,
0.5512


 97.2140, 72.0854,
24.5185


 11.2028, 5.4610,
0.0000


 124.3633, 94.9405,
36.4878

 6.2717, 2.5202,
0.0000

 156.1480,
122.1780, 51.8294

 3.0532, 0.8867,
0.0000

 192.9335,
154.1824, 70.9618

 1.1820, 0.0000,
0.0000

 235.0852,

 0.0921, 0.0000,

191.3380, 94.3036

0.0000

282.9684,
234.0293, 122.2733

■ 0.0000, 0.0000,
0.0000

■ 39.9253, 25.9712,
4.6589

■ 39.9253, 25.9712,
4.6589

■ 38.3429, 23.2248,
2.8428

■ 42.1127, 29.5330,
7.8960


■ 37.6942, 22.0437,
2.2682


■ 44.9686, 33.9690,
12.7812


■ 48.5491, 39.3369,
19.5024


■ 52.9033, 45.6879,
28.2212

■ 58.0757, 53.0693,
39.0814

 64.1074, 61.5252,
52.2135

 71.0365, 71.0971,
67.7374

 78.8988, 81.8241,
85.7648

 87.7280, 93.7436,
106.3999

Harmonies

Analogous

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



47.1675, 25.9712, 15.9379



39.9253, 25.9712, 4.6589



29.4154, 25.9712, 1.6962

Triad

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



39.9253, 25.9712, 4.6589



10.6903, 25.9712, 17.3382



30.2053, 25.9712, 116.3178

Complementary

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



39.9253, 25.9712, 4.6589



34.2595, 42.2214, 88.7814

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.



20.4908, 25.9712, 117.6955



39.9253, 25.9712, 4.6589



10.7975, 25.9712, 45.7540

Square

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



39.9253, 25.9712, 4.6589



13.5747, 25.9712, 5.1117



13.9199, 25.9712, 86.5301



40.6320, 25.9712, 83.4884

Rectangle

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



39.9253, 25.9712, 4.6589



22.7599, 25.9712, 1.5114



13.9199, 25.9712, 86.5301



26.7154, 25.9712, 120.9652

Sweetspot

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



39.9259, 25.9727, 4.6593



73.2022, 70.0941, 59.1059



45.8090, 23.5334, 50.4144



15.1252, 14.2449, 11.4587



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.



39.9259, 25.9727, 4.6593



43.2227, 25.2254, 2.5909



54.5203, 55.1615, 9.5241



16.1084, 16.4299, 16.4720



20.7261, 12.2503, 1.2721



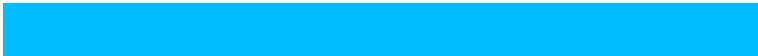
1.8024, 1.1755, 0.1319

Inverse Universe

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



34.2595, 42.2214, 88.7814



36.1215, 43.3630, 101.0738



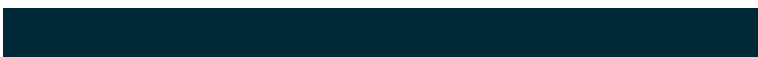
19.9604, 13.6232, 84.0150



15.8778, 17.1896, 20.2027



17.3658, 20.9558, 48.2575



1.5249, 1.9037, 4.0413

Previews

White Background



This preview shows how the XYZ color 39.9253, 25.9712, 4.6589 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 39.9253, 25.9712, 4.6589 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 39.9253, 25.9712, 4.6589

Background



This preview shows how black text looks on a background with the XYZ color 39.9253, 25.9712, 4.6589.



This preview shows how white text looks on a background with the XYZ color 39.9253, 25.9712,

4.6589.

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

39.9253, 25.9712, 4.6589

Protanopia

23.6641, 26.0544, 6.7994

Deuteranopia

26.6125, 26.1596, 4.1369



Tritanopia

41.6696, 26.0955, 12.2919

Trichromacy



Original Color

39.9253, 25.9712, 4.6589

Protanomaly

27.9267, 24.6733, 5.7732

Deuteranomaly

30.3456, 25.0679, 4.1034

Tritanomaly

40.7893, 25.9594, 8.6552

Monochromacy



Original Color

39.9253, 25.9712, 4.6589

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

24.6042, 21.5410, 13.9274

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.9253, 25.9712, 4.6589 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(240, 90, 37)` looks like.

```
.text, #text, p{  
    color:rgb(240, 90, 37)  
}
```

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(240, 90, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 90, 37) }
```

Border

The CSS property to change the border of an element to XYZ 39.9253, 25.9712, 4.6589 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(240, 90, 37) }
```


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

```
.border{ border-color:rgb(240, 90, 37) }
```

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

Here you see how a box with a 4 pixel rgb(240, 90, 37) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 90, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 90, 37);  
box-shadow:4px 4px 4px 4px rgb(240, 90,  
37) }
```

Background

The CSS property to change the background color of an element to XYZ 39.9253, 25.9712, 4.6589 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 90, 37) }
```

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

```
.background{ background-color: rgb(240, 90,  
37) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor