

Converting Colors

XYZ(37.2104, 25.3635, 0.6647)

Have a look what the booklet for
XYZ(37.2104, 25.3635, 0.6647)
contains.

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Color

**XYZ(37.6965, 25.5081,
2.9367)**

Conversions

Conversions Part 1

Format	Color
Hex	E95F00
RGB	233, 95, 0
RGB Percent	91%, 37%, 0%
CMY	0.0863, 0.6274, 1.0000
CMYK	0.00, 0.59, 1.00, 0.09
HSL	24°, 100%, 46%
HSV	24°, 100%, 91%
XYZ	37.6965, 25.5081, 2.9367
YIQ	125.4320, 112.7430, -0.2890

Conversions

Conversions Part 2

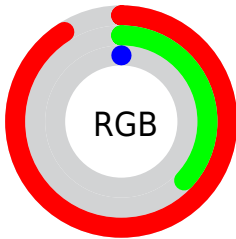
Format	Color
R_{YB}	233, 160, 0
Decimal	15294208
CIE _{Lab}	57.57, 50.26, 66.86
CIE _{LCh}	58, 83.645, 53.068
Yxy	25.5081, 0.5699, 0.3857
Android (android.graphics.Color)	4293484288 (0xFFE95F00)
YUV	125.4320, -61.8380, 94.3371
Hunter-Lab	50.5055, 44.8447, 31.9064

Details

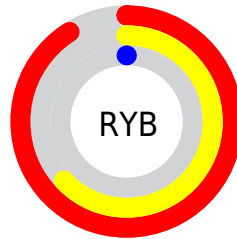
The XYZ color **37.6965, 25.5081, 2.9367** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark washed red. A complement of this color would be **23.7956, 24.0586, 80.4798**, and the grayscale version is **19.8158, 20.8478, 22.7033**.

A 20% lighter version of the original color is **52.9708, 43.1482, 10.6908**, and **17.1210, 9.9526, 1.0187** is the 20% darker color. If you saturate the color by 10%, you get **37.6968, 25.5091, 2.9369**, and if you desaturate by 10%, it is **39.2099, 28.2830, 4.2193**.

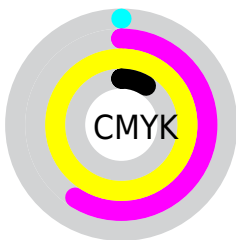
Distribution



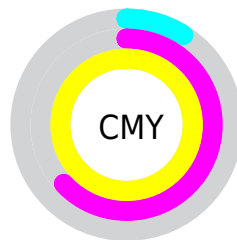
- Red (91%)
- Green (37%)
- Blue (0%)



- Red (91%)
- Yellow (63%)
- Blue (0%)



- Cyan (0%)
- Magenta (59%)
- Yellow (100%)
- Black (9%)





- Cyan (9%)
- Magenta (63%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.6965, 25.5081, 2.9367 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 37.6965, 25.5081, 2.9367 by changing the saturation by 10% instead.

 37.6965, 25.5081,
2.9367


 37.6965, 25.5081,
2.9367


327.6197,
280.3589, 135.5503


 25.9234, 16.4560,
1.0624


 70.9496, 52.4803,
11.4718

 16.8987, 9.8474,
0.0000


 93.1603, 71.1692,
18.9698


 10.2571, 5.2979,
0.0000


 119.5809, 93.8392,
29.1793

 5.6334, 2.4231,
0.0000

 150.5767,
120.8747, 42.5190

 2.6620, 0.8377,
0.0000

 186.5132,
152.6600, 59.4074


 0.9776, 0.0000,
0.0000


 227.7556,


 0.0000, 0.0000,


189.5795, 80.2631


0.0000


 274.6693,
232.0177, 105.5045


 37.6965, 25.5081,
2.9367


 37.6965, 25.5081,
2.9367


 37.6968, 25.5091,
2.9369

 39.2099, 28.2830,
4.2193

 41.1435, 31.5943,
6.5775

 43.5680, 35.4876,
10.3320

 46.5281, 39.9960,
15.6711

 50.0622, 45.1491,
22.7532

■ 54.2047, 50.9743,
31.7173

■ 58.9870, 57.4972,
42.6882

■ 64.4378, 64.7417,
55.7799

■ 70.5843, 72.7307,
71.0976

Harmonies

Analogous

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



46.5268, 25.5081, 11.3284



37.6965, 25.5081, 2.9367



26.6347, 25.5081, 1.1442

Triad

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



37.6965, 25.5081, 2.9367



9.7509, 25.5081, 21.6562



32.5659, 25.5081, 115.2020

Complementary

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



37.6965, 25.5081, 2.9367



23.7956, 24.0586, 80.4798

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.



22.0021, 25.5081, 125.8175



37.6965, 25.5081, 2.9367



10.5303, 25.5081, 55.3455

Square

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



37.6965, 25.5081, 2.9367



11.9149, 25.5081, 6.1126



14.4472, 25.5081, 98.9162



43.0418, 25.5081, 75.5997

Rectangle

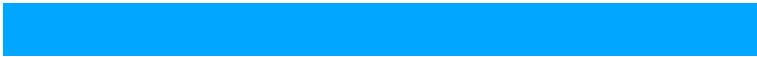
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



37.6965, 25.5081, 2.9367



20.1602, 25.5081, 1.2704



14.4472, 25.5081, 98.9162



28.8466, 25.5081, 123.0419

Sweetspot

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



37.6970, 25.5096, 2.9371



72.2971, 70.4363, 52.1683



38.3230, 19.2112, 26.4225



14.9224, 14.3287, 9.8823



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.



37.6970, 25.5096, 2.9371



46.1880, 31.1561, 3.5793



56.5765, 63.2685, 9.2303



15.5698, 16.0626, 15.7985



21.5048, 14.7039, 1.7047



1.7810, 1.3394, 0.1647

Inverse Universe

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



23.7956, 24.0586, 80.4798



29.1202, 29.3605, 98.7401



15.0204, 6.5081, 77.5547



14.9728, 16.0321, 19.2276



13.6269, 13.9008, 45.7079



1.1642, 1.2799, 3.6206

Previews

White Background



This preview shows how the XYZ color 37.6965, 25.5081, 2.9367 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 37.6965, 25.5081, 2.9367 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 37.6965, 25.5081, 2.9367

Background



This preview shows how black text looks on a background with the XYZ color 37.6965, 25.5081, 2.9367.



This preview shows how white text looks on a background with the XYZ color 37.6965, 25.5081,

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

37.6965, 25.5081, 2.9367

Protanopia

23.0976, 25.5950, 4.5336

Deuteranopia

25.9305, 25.6165, 3.5778



Tritanopia

39.7711, 25.4498, 13.4058

Trichromacy



Original Color

37.6965, 25.5081, 2.9367

Protanomaly

26.9363, 24.3908, 3.7401

Deuteranomaly

29.3618, 24.9294, 3.2643

Tritanomaly

38.4884, 25.3008, 7.1300

Monochromacy



Original Color

37.6965, 25.5081, 2.9367

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

22.7751, 20.5063, 10.3472

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.6965, 25.5081, 2.9367 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(233, 95, 0)` looks like.

```
.text, #text, p{  
    color:rgb(233, 95, 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(233, 95, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 95, 0) }
```

Border

The CSS property to change the border of an element to XYZ 37.6965, 25.5081, 2.9367 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(233, 95, 0) }
```


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

```
.border{ border-color:rgb(233, 95, 0) }
```

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

Here you see how a box with a 4 pixel rgb(233, 95, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 95, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 95, 0);  
box-shadow:4px 4px 4px 4px rgb(233, 95, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 37.6965, 25.5081, 2.9367 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 95, 0) }
```

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

```
.background{ background-color: rgb(233, 95,  
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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