

Converting Colors

XYZ(36.1811, 23.4097, 2.7150)

Have a look what the booklet for
XYZ(36.1811, 23.4097, 2.7150)
contains.

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Color

**XYZ(36.1472, 23.3383,
2.7144)**

Conversions

Conversions Part 1

Format	Color
Hex	E75404
RGB	231, 84, 4
RGB Percent	91%, 33%, 2%
CMY	0.0941, 0.6706, 0.9843
CMYK	0.00, 0.64, 0.98, 0.09
HSL	21°, 97%, 46%
HSV	21°, 98%, 91%
XYZ	36.1472, 23.3383, 2.7144
YIQ	118.8330, 113.2920, 6.2840

Conversions

Conversions Part 2

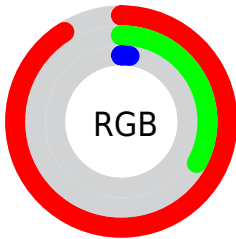
Format	Color
R_{YB}	231, 128, 4
Decimal	15160324
CIE _{Lab}	55.42, 54.41, 64.71
CIE _{LCh}	55, 84.549, 49.940
Yxy	23.3383, 0.5811, 0.3752
Android (android.graphics.Color)	4293350404 (0xFFE75404)
YUV	118.8330, -56.6127, 98.3705
Hunter-Lab	48.3097, 49.0185, 30.4855

Details

The XYZ color **36.1472, 23.3383, 2.7144** 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 **25.5392, 27.9262, 79.6449**, and the grayscale version is **17.6312, 18.5494, 20.2003**.

A 20% lighter version of the original color is **51.4560, 40.1186, 10.1859**, and **16.2427, 8.8283, 0.8479** is the 20% darker color. If you saturate the color by 10%, you get **35.9282, 22.9358, 2.5334**, and if you desaturate by 10%, it is **37.6125, 25.9859, 4.0766**.

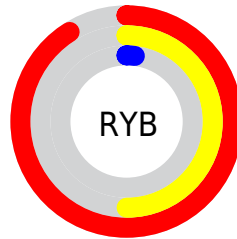
Distribution



Red (91%)

Green (33%)

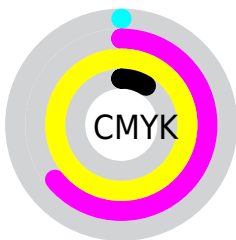
Blue (2%)



Red (91%)

Yellow (50%)

Blue (2%)

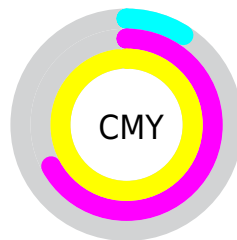


Cyan (0%)

Magenta (64%)

Yellow (98%)

Black (9%)



Cyan (9%)


Magenta (67%)


Yellow (98%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.1472, 23.3383, 2.7144 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 36.1472, 23.3383, 2.7144 by changing the saturation by 10% instead.


 36.1472, 23.3383,
2.7144


 36.1472, 23.3383,
2.7144


321.0235,
269.4578, 132.6356


 24.7185, 14.8435,
0.9507


 68.5816, 48.9482,
10.9152

 15.9951, 8.7096,
0.0000


 90.3180, 66.8321,
18.1894


 9.6115, 4.5523,
0.0000


 116.2211, 88.6145,
28.1375

 5.2024, 1.9870,
0.0000

 146.6562,
114.6798, 41.1780

 2.4025, 0.5999,
0.0000

 181.9886,
145.4124, 57.7296


 0.8463, 0.0000,
0.0000


 222.5837,


 0.0000, 0.0000,


181.1967, 78.2107


0.0000


 268.8069,
222.4170, 103.0398


 36.1472, 23.3383,
2.7144


 36.1472, 23.3383,
2.7144


 35.9282, 22.9358,
2.5334

 37.6125, 25.9859,
4.0766

 39.5438, 29.2387,
6.6001

 42.0024, 33.1438,
10.5397

 45.0340, 37.7395,
16.0747

 48.6786, 43.0605,
23.3573

■ 52.9720, 49.1388,
32.5219

■ 57.9471, 56.0045,
43.6893

■ 63.6343, 63.6857,
56.9704

■ 70.0620, 72.2091,
72.4679

Harmonies

Analogous

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



44.1817, 23.3383, 11.4140



36.1472, 23.3383, 2.7144



25.5307, 23.3383, 0.8600

Triad

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



36.1472, 23.3383, 2.7144



8.6141, 23.3383, 17.3206



29.0175, 23.3383, 113.2127

Complementary

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



36.1472, 23.3383, 2.7144



25.5392, 27.9262, 79.6449

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.



19.1404, 23.3383, 119.6482



36.1472, 23.3383, 2.7144



9.0551, 23.3383, 47.7691

Square

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



36.1472, 23.3383, 2.7144



10.9281, 23.3383, 4.4172



12.3761, 23.3383, 90.2165



39.3178, 23.3383, 76.1801

Rectangle

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



36.1472, 23.3383, 2.7144



19.1747, 23.3383, 0.8579



12.3761, 23.3383, 90.2165



25.4892, 23.3383, 119.7018

Sweetspot

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



36.1477, 23.3397, 2.7148



71.9261, 69.2792, 53.3243



38.6289, 19.3280, 31.2078



14.8079, 14.0218, 10.0844



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.



36.1477, 23.3397, 2.7148



44.8858, 28.5515, 3.1453



52.9315, 56.9072, 8.3094



14.7905, 15.1948, 15.0578



20.2478, 13.0697, 1.4555



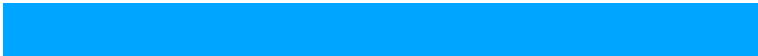
1.5811, 1.1356, 0.1359

Inverse Universe

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



25.5392, 27.9262, 79.6449



31.5274, 34.1748, 99.5425



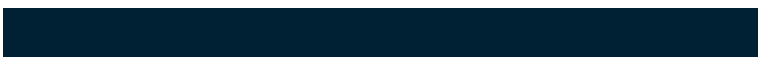
15.1686, 7.1849, 76.1880



14.3576, 15.4366, 18.3672



14.2840, 15.6301, 44.6472



1.1421, 1.3281, 3.3281

Previews

White Background



This preview shows how the XYZ color 36.1472, 23.3383, 2.7144 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 36.1472, 23.3383, 2.7144 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 36.1472, 23.3383, 2.7144

Background



This preview shows how black text looks on a background with the XYZ color 36.1472, 23.3383, 2.7144.



This preview shows how white text looks on a background with the XYZ color 36.1472, 23.3383,

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

36.1472, 23.3383, 2.7144

Protanopia

21.2676, 23.6002, 4.2985

Deuteranopia

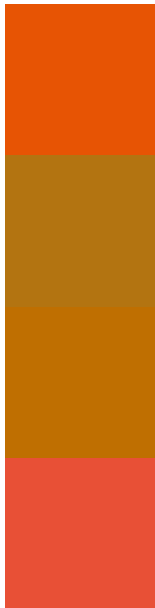
23.7378, 23.5036, 3.2855



Tritanopia

37.8900, 23.3969, 10.7027

Trichromacy



Original Color

36.1472, 23.3383, 2.7144

Protanomaly

24.9370, 22.1150, 3.4846

Deuteranomaly

27.1758, 22.4474, 2.9292

Tritanomaly

36.8132, 23.1595, 6.0200

Monochromacy



Original Color

36.1472, 23.3383, 2.7144

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

20.9908, 18.3175, 9.4505

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.1472, 23.3383, 2.7144 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(231, 84, 4)` looks like.

```
.text, #text, p{  
    color:rgb(231, 84, 4)  
}
```

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(231, 84, 4) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 84, 4) }
```

Border

The CSS property to change the border of an element to XYZ 36.1472, 23.3383, 2.7144 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(231, 84, 4) }
```


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

```
.border{ border-color:rgb(231, 84, 4) }
```

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

Here you see how a box with a 4 pixel rgb(231, 84, 4) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 84, 4); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 84, 4);  
box-shadow:4px 4px 4px 4px rgb(231, 84, 4)  
}
```

Background

The CSS property to change the background color of an element to XYZ 36.1472, 23.3383, 2.7144 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 84, 4) }
```

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

```
.background{ background-color: rgb(231, 84,  
4) }
```

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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