

Converting Colors

XYZ(36.3621, 24.1624, 3.1626)

Have a look what the booklet for
XYZ(36.3621, 24.1624, 3.1626)
contains.

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Color

**XYZ(36.3686, 24.1670,
3.1633)**

Conversions

Conversions Part 1

Format	Color
Hex	E65A0E
RGB	230, 90, 14
RGB Percent	90%, 35%, 5%
CMY	0.0980, 0.6470, 0.9451
CMYK	0.00, 0.61, 0.94, 0.10
HSL	21°, 89%, 48%
HSV	21°, 94%, 90%
XYZ	36.3686, 24.1670, 3.1633
YIQ	123.1960, 107.8360, 6.0440

Conversions

Conversions Part 2

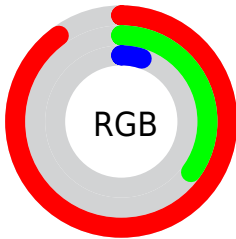
Format	Color
R _Y B	230, 131, 14
Decimal	15096334
CIE Lab	56.25, 51.55, 63.09
CIE LCh	56, 81.476, 50.749
Yxy	24.1670, 0.5709, 0.3794
Android (android.graphics.Color)	4293286414 (0xFFE65A0E)
YUV	123.1960, -53.8336, 93.6671
Hunter-Lab	49.1599, 46.0247, 30.5968

Details

The XYZ color **36.3686, 24.1670, 3.1633** 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 **26.0187, 28.9158, 79.0725**, and the grayscale version is **19.0400, 20.0315, 21.8143**.

A 20% lighter version of the original color is **52.3506, 41.6615, 11.2435**, and **16.2697, 9.1947, 0.9172** is the 20% darker color. If you saturate the color by 10%, you get **35.5704, 22.6978, 2.5063**, and if you desaturate by 10%, it is **38.0099, 27.0424, 4.9669**.

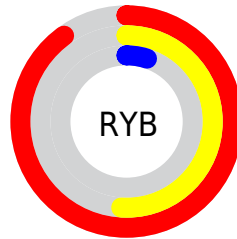
Distribution



Red (90%)

Green (35%)

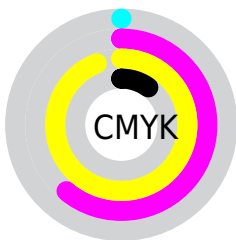
Blue (5%)



Red (90%)

Yellow (51%)

Blue (5%)

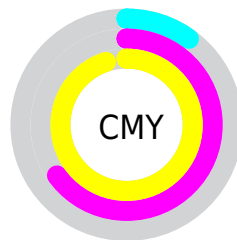


Cyan (0%)

Magenta (61%)

Yellow (94%)

Black (10%)



Cyan (10%)


Magenta (65%)


Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.3686, 24.1670, 3.1633 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 36.3686, 24.1670, 3.1633 by changing the saturation by 10% instead.


 36.3686, 24.1670,
3.1633

 36.3686, 24.1670,
3.1633


321.9720,
273.6637, 138.4141


 24.8904, 15.4575,
1.1786


 68.9208, 50.3026,
12.0288

 16.1237, 9.1411,
0.0000


 90.7255, 68.4975,
19.7467


 9.7032, 4.8334,
0.0000


 116.7031, 90.6230,
30.2127

 5.2633, 2.1498,
0.0000

 147.2189,
117.0636, 43.8455

 2.4389, 0.6924,
0.0000

 182.6384,
148.2035, 61.0634


 0.8646, 0.0000,
0.0000


 223.3268,


 0.0000, 0.0000,


184.4273, 82.2851


0.0000


 269.6496,
226.1192, 107.9292


 36.3686, 24.1670,
3.1633


 36.3686, 24.1670,
3.1633


 35.5704, 22.6978,
2.5063

 38.0099, 27.0424,
4.9669

 40.1437, 30.5393,
8.0543

 42.8206, 34.6998,
12.6251

 46.0829, 39.5600,
18.8435

 49.9683, 45.1533,
26.8518

■ 54.5108, 51.5103,
36.7765

■ 59.7421, 58.6601,
48.7328

■ 65.6911, 66.6298,
62.8264

■ 72.3855, 75.4455,
79.1559

Harmonies

Analogous

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



44.2889, 24.1670, 11.9335



36.3686, 24.1670, 3.1633



25.9917, 24.1670, 1.1721

Triad

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



36.3686, 24.1670, 3.1633



9.3758, 24.1670, 18.8558



29.9669, 24.1670, 110.1435

Complementary

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



36.3686, 24.1670, 3.1633



26.0187, 28.9158, 79.0725

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.



20.1921, 24.1670, 117.2439



36.3686, 24.1670, 3.1633



9.8996, 24.1670, 49.1701

Square

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



36.3686, 24.1670, 3.1633



11.6470, 24.1670, 5.3002



13.3475, 24.1670, 89.9619



39.9493, 24.1670, 74.3635

Rectangle

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



36.3686, 24.1670, 3.1633



19.7692, 24.1670, 1.2018



13.3475, 24.1670, 89.9619



26.4990, 24.1670, 116.6104

Sweetspot

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



36.3691, 24.1684, 3.1637



72.5827, 70.1697, 54.8465



38.6562, 19.4835, 32.4705



14.9334, 14.1934, 10.3709



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.



36.3691, 24.1684, 3.1637



44.8734, 28.5269, 3.1411



52.8150, 57.0602, 8.6456



14.7898, 15.1935, 15.0576



20.2421, 13.0583, 1.4536



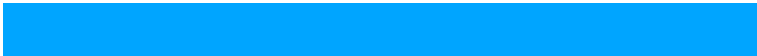
1.5807, 1.1347, 0.1357

Inverse Universe

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



26.0187, 28.9158, 79.0725



31.5539, 34.2278, 99.5513



15.4568, 7.7921, 75.5519



14.3583, 15.4381, 18.3674



14.2958, 15.6537, 44.6512



1.1429, 1.3297, 3.3284

Previews

White Background



This preview shows how the XYZ color 36.3686, 24.1670, 3.1633 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 36.3686, 24.1670, 3.1633 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 36.3686, 24.1670, 3.1633

Background



This preview shows how black text looks on a background with the XYZ color 36.3686, 24.1670, 3.1633.



This preview shows how white text looks on a background with the XYZ color 36.3686, 24.1670,

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

36.3686, 24.1670, 3.1633

Protanopia

21.9627, 24.3676, 4.6445

Deuteranopia

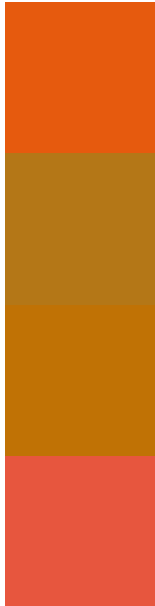
24.5138, 24.0963, 3.3590



Tritanopia

38.2522, 24.2177, 12.1096

Trichromacy



Original Color

36.3686, 24.1670, 3.1633

Protanomaly

25.5739, 22.9588, 3.8942

Deuteranomaly

27.7829, 23.2521, 3.1674

Tritanomaly

37.1523, 23.9923, 7.2303

Monochromacy



Original Color

36.3686, 24.1670, 3.1633

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

22.1461, 19.6748, 10.8140

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.3686, 24.1670, 3.1633 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(230, 90, 14)` looks like.

```
.text, #text, p{  
    color:rgb(230, 90, 14)  
}
```

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(230, 90, 14) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 90, 14) }
```

Border

The CSS property to change the border of an element to XYZ 36.3686, 24.1670, 3.1633 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(230, 90, 14) }
```


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

```
.border{ border-color:rgb(230, 90, 14) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 90, 14)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 90, 14); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 90, 14);  
box-shadow:4px 4px 4px 4px rgb(230, 90,  
14) }
```

Background

The CSS property to change the background color of an element to XYZ 36.3686, 24.1670, 3.1633 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 90, 14) }
```

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

```
.background{ background-color: rgb(230, 90,  
14) }
```

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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