

Converting Colors

XYZ(36.2167, 24.2281, 2.7677)

Have a look what the booklet for
XYZ(36.2167, 24.2281, 2.7677)
contains.

XYZ(36.0542, 24.1402, 2.7593)	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(36.0542, 24.1402,
2.7593)**

Conversions

Conversions Part 1

Format	Color
Hex	E55B00
RGB	229, 91, 0
RGB Percent	90%, 36%, 0%
CMY	0.1020, 0.6431, 1.0000
CMYK	0.00, 0.60, 1.00, 0.10
HSL	24°, 100%, 45%
HSV	24°, 100%, 90%
XYZ	36.0542, 24.1402, 2.7593
YIQ	121.8880, 111.4590, 0.9550

Conversions

Conversions Part 2

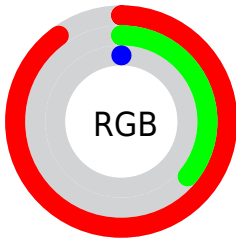
Format	Color
RYB	229, 151, 0
Decimal	15031040
CIELab	56.23, 50.62, 65.79
CIELCh	56, 83.005, 52.424
Yxy	24.1402, 0.5727, 0.3835
Android (android.graphics.Color)	4293221120 (0xFFE55B00)
YUV	121.8880, -60.0908, 93.9372
Hunter-Lab	49.1327, 45.0034, 31.0631

Details

The XYZ color **36.0542, 24.1402, 2.7593** 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 **23.2308, 23.8332, 77.5040**, and the grayscale version is **18.6279, 19.5979, 21.3422**.

A 20% lighter version of the original color is **52.3195, 41.8925, 10.3295**, and **16.1181, 9.2014, 0.9265** is the 20% darker color. If you saturate the color by 10%, you get **36.0543, 24.1409, 2.7594**, and if you desaturate by 10%, it is **37.4986, 26.7835, 3.9990**.

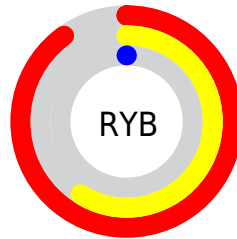
Distribution



Red (90%)

Green (36%)

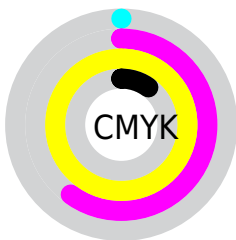
Blue (0%)



Red (90%)

Yellow (59%)

Blue (0%)

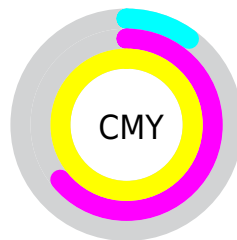


Cyan (0%)

Magenta (60%)

Yellow (100%)

Black (10%)



Cyan (10%)


Magenta (64%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.0542, 24.1402, 2.7593 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 36.0542, 24.1402, 2.7593 by changing the saturation by 10% instead.


 36.0542, 24.1402,
2.7593

 36.0542, 24.1402,
2.7593


320.6245,
273.5285, 133.2333


 24.6464, 15.4377,
0.9731


 68.4390, 50.2589,
11.0285

 15.9411, 9.1271,
0.0000


 90.1467, 68.4438,
18.3485


 9.5731, 4.8242,
0.0000


 116.0185, 90.5583,
28.3503

 5.1769, 2.1445,
0.0000

 146.4195,
116.9868, 41.4523

 2.3873, 0.6895,
0.0000

 181.7153,
148.1137, 58.0730


 0.8388, 0.0000,
0.0000


 222.2712,


 0.0000, 0.0000,


184.3234, 78.6311


0.0000


 268.4524,
226.0002, 103.5450


 36.0542, 24.1402,
2.7593


 36.0542, 24.1402,
2.7593


 36.0543, 24.1409,
2.7594

 37.4986, 26.7835,
3.9990

 39.3524, 29.9541,
6.2724

 41.6845, 33.6971,
9.8897

 44.5382, 38.0452,
15.0312

 47.9508, 43.0280,
21.8490

■ 51.9559, 48.6727,
30.4763

■ 56.5837, 55.0045,
41.0329

■ 61.8625, 62.0474,
53.6280

■ 67.8186, 69.8239,
68.3629

Harmonies

Analogous

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



44.4336, 24.1402, 10.9011



36.0542, 24.1402, 2.7593



25.4502, 24.1402, 1.0265

Triad

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



36.0542, 24.1402, 2.7593



9.1369, 24.1402, 19.9461



30.6812, 24.1402, 110.9534

Complementary

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



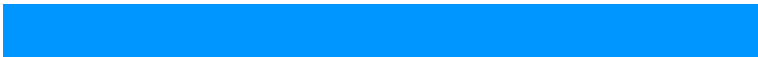
36.0542, 24.1402, 2.7593



23.2308, 23.8332, 77.5040

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.



20.6090, 24.1402, 120.3907



36.0542, 24.1402, 2.7593



9.8175, 24.1402, 51.8632

Square

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



36.0542, 24.1402, 2.7593



11.2566, 24.1402, 5.4958



13.4740, 24.1402, 93.8201



40.7794, 24.1402, 73.1291

Rectangle

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



36.0542, 24.1402, 2.7593



19.2184, 24.1402, 1.1180



13.4740, 24.1402, 93.8201



27.1237, 24.1402, 118.2742

Sweetspot

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



36.0547, 24.1416, 2.7597



72.1025, 70.0470, 52.1034



37.1369, 18.5876, 26.9151



14.8768, 14.2375, 9.8671



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.



36.0547, 24.1416, 2.7597



45.9265, 30.6331, 3.4922



53.5000, 59.0321, 8.5748



14.8446, 15.3031, 15.0759



20.7242, 14.0226, 1.6144



1.6201, 1.2136, 0.1489

Inverse Universe

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



23.2308, 23.8332, 77.5040



29.5499, 30.2198, 98.8833



14.5284, 6.4283, 74.6032



14.3017, 15.3248, 18.3485



13.4028, 13.8678, 44.3535



1.0806, 1.2051, 3.3076

Previews

White Background



This preview shows how the XYZ color 36.0542, 24.1402, 2.7593 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 36.0542, 24.1402, 2.7593 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 36.0542, 24.1402, 2.7593

Background



This preview shows how black text looks on a background with the XYZ color 36.0542, 24.1402, 2.7593.



This preview shows how white text looks on a background with the XYZ color 36.0542, 24.1402,

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

36.0542, 24.1402, 2.7593

Protanopia

22.0957, 24.4425, 4.3639

Deuteranopia

24.6448, 24.3584, 3.4027



Tritanopia

38.0490, 24.2241, 12.3432

Trichromacy



Original Color

36.0542, 24.1402, 2.7593

Protanomaly

25.8588, 23.2912, 3.5847

Deuteranomaly

27.8690, 23.4679, 3.0609

Tritanomaly

36.7798, 23.9348, 6.5523

Monochromacy



Original Color

36.0542, 24.1402, 2.7593

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

21.7575, 19.4960, 9.8241

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.0542, 24.1402, 2.7593 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(229, 91, 0)` looks like.

```
.text, #text, p{  
    color:rgb(229, 91, 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(229, 91, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 91, 0) }
```

Border

The CSS property to change the border of an element to XYZ 36.0542, 24.1402, 2.7593 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(229, 91, 0) }
```


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

```
.border{ border-color:rgb(229, 91, 0) }
```

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

Here you see how a box with a 4 pixel rgb(229, 91, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 91, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 91, 0);  
box-shadow:4px 4px 4px 4px rgb(229, 91, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 36.0542, 24.1402, 2.7593 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 91, 0) }
```

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

```
.background{ background-color: rgb(229, 91,  
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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