

Converting Colors

XYZ(36.0344, 30.4233, 4.1166)

Have a look what the booklet for
XYZ(36.0344, 30.4233, 4.1166)
contains.

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Color

**XYZ(36.0344, 30.4233,
4.1166)**

Conversions

Conversions Part 1

Format	Color
Hex	D78205
RGB	215, 130, 5
RGB Percent	84%, 51%, 2%
CMY	0.1569, 0.4902, 0.9804
CMYK	0.00, 0.40, 0.98, 0.16
HSL	36°, 95%, 43%
HSV	36°, 98%, 84%
XYZ	36.0344, 30.4233, 4.1166
YIQ	141.1650, 90.7850, -20.8550

Conversions

Conversions Part 2

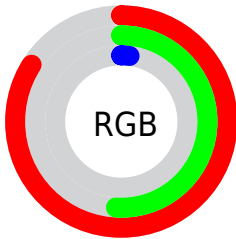
Format	Color
RYB	148, 215, 5
Decimal	14123525
CIELab	62.02, 25.60, 67.39
CIELCh	62, 72.085, 69.202
Yxy	30.4233, 0.5106, 0.4311
Android (android.graphics.Color)	4292313605 (0xFFD78205)
YUV	141.1650, -67.1293, 64.7533
Hunter-Lab	55.1573, 20.0891, 34.1851

Details

The XYZ color **36.0344, 30.4233, 4.1166** is a dark color, and the websafe version is hex **FF9933**. The color can be described as dark washed orange. A complement of this color would be **15.9846, 12.2511, 65.8118**, and the grayscale version is **25.6138, 26.9477, 29.3461**.

A 20% lighter version of the original color is **59.3761, 55.6080, 13.9073**, and **16.1951, 12.6073, 1.5799** is the 20% darker color. If you saturate the color by 10%, you get **35.7406, 29.8799, 3.8837**, and if you desaturate by 10%, it is **37.4068, 32.9047, 5.3870**.

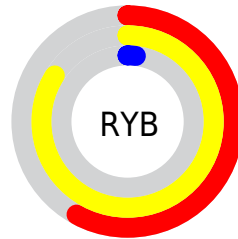
Distribution



Red (84%)

Green (51%)

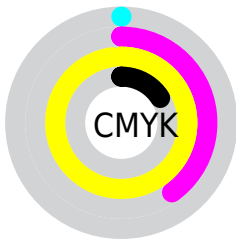
Blue (2%)



Red (58%)

Yellow (84%)

Blue (2%)

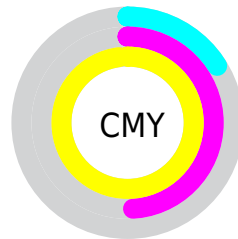


Cyan (0%)

Magenta (40%)

Yellow (98%)

Black (16%)



Cyan (16%)


Magenta (49%)


Yellow (98%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.0344, 30.4233, 4.1166 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 36.0344, 30.4233, 4.1166 by changing the saturation by 10% instead.


 36.0344, 30.4233,
4.1166


 36.0344, 30.4233,
4.1166


320.5395,
303.8726, 149.5127


 24.6310, 20.1601,
1.6895


 68.4087, 60.3310,
14.2778

 15.9296, 12.5115,
0.3535


 90.1103, 80.7442,
22.8490

 9.5649, 7.0930,
0.0000


 115.9753,
105.3096, 34.3053

 5.1715, 3.5203,
0.0000

 146.3691,
134.4116, 49.0653

 2.3840, 1.4090,
0.0000

 181.6571,
168.4344, 67.5475

 0.8371, 0.2234,
0.0000

 222.2046,

 0.0000, 0.0000,

207.7626, 90.1704

0.0000

■ 268.3769,
252.7806, 117.3526

■ 36.0344, 30.4233,
4.1166

■ 36.0344, 30.4233,
4.1166

■ 35.7406, 29.8799,
3.8837

■ 37.4068, 32.9047,
5.3870

■ 39.0555, 35.6557,
7.6210

■ 41.0215, 38.6976,
11.0206

■ 43.3345, 42.0458,
15.7310

■ 46.0199, 45.7137,
21.8760

■ 49.1005, 49.7139,
29.5649

■ 52.5967, 54.0575,
38.8964

■ 56.5277, 58.7555,
49.9606

■ 60.9109, 63.8178,
62.8413

Harmonies

Analogous

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



45.8525, 30.4233, 9.5793



36.0344, 30.4233, 4.1166



26.0435, 30.4233, 3.4613

Triad

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



36.0344, 30.4233, 4.1166



14.1706, 30.4233, 42.3930



42.3341, 30.4233, 93.9048

Complementary

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



36.0344, 30.4233, 4.1166



15.9846, 12.2511, 65.8118

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.



31.9933, 30.4233, 118.4091



36.0344, 30.4233, 4.1166



16.7676, 30.4233, 79.4751

Square

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



36.0344, 30.4233, 4.1166



14.7836, 30.4233, 17.5861



22.8036, 30.4233, 112.0173



50.0162, 30.4233, 55.8617

Rectangle

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



36.0344, 30.4233, 4.1166



20.7597, 30.4233, 4.9938



22.8036, 30.4233, 112.0173



38.9709, 30.4233, 104.7494

Sweetspot

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



36.0351, 30.4249, 4.1171



76.5295, 78.4860, 54.8587



30.0324, 15.3373, 11.6187



15.8991, 16.2041, 10.4481



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.



36.0351, 30.4249, 4.1171



52.4341, 43.6483, 5.6614



47.4849, 60.5495, 9.3283



13.0317, 13.6376, 13.1062



21.4838, 18.0848, 2.3584



1.3761, 1.2513, 0.1690

Inverse Universe

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



15.9846, 12.2511, 65.8118



22.9212, 16.9624, 96.6737



12.6622, 5.1914, 64.6243



12.1511, 12.8257, 15.7727



9.4738, 7.2094, 39.3454



0.6515, 0.5950, 2.3998

Previews

White Background



This preview shows how the XYZ color 36.0344, 30.4233, 4.1166 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 36.0344, 30.4233, 4.1166 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 ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.0344, 30.4233, 4.1166

Background



This preview shows how black text looks on a background with the XYZ color 36.0344, 30.4233, 4.1166.



This preview shows how white text looks on a background with the XYZ color 36.0344, 30.4233,

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

36.0344, 30.4233, 4.1166

Protanopia

27.7453, 30.7197, 4.9975

Deuteranopia

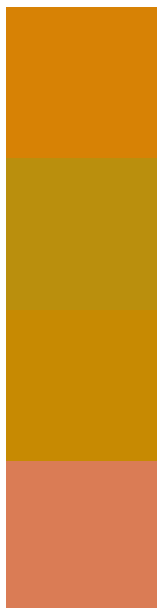
31.0577, 30.5921, 4.2679



Tritanopia

40.3818, 30.5021, 24.8782

Trichromacy



Original Color

36.0344, 30.4233, 4.1166

Protanomaly

30.1448, 30.1131, 4.6044

Deuteranomaly

32.6526, 30.3235, 4.1895

Tritanomaly

37.7608, 29.9766, 12.3902

Monochromacy



Original Color

36.0344, 30.4233, 4.1166

Achromatopsia

25.3171, 26.6356, 29.0061

Achromatomaly

27.0259, 26.9889, 13.9102

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.0344, 30.4233, 4.1166 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(215, 130, 5)` looks like.

```
.text, #text, p{  
    color:rgb(215, 130, 5)  
}
```

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(215, 130, 5) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 130, 5) }
```

Border

The CSS property to change the border of an element to XYZ 36.0344, 30.4233, 4.1166 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(215, 130, 5) }
```


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

```
.border{ border-color:rgb(215, 130, 5) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 130, 5)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 130, 5); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 130, 5);  
box-shadow:4px 4px 4px 4px rgb(215, 130,  
5) }
```

Background

The CSS property to change the background color of an element to XYZ 36.0344, 30.4233, 4.1166 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 130, 5) }
```

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

```
.background{ background-color: rgb(215,  
130, 5) }
```

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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