

Converting Colors

XYZ(38.2265, 32.4374, 4.5907)

Have a look what the booklet for
XYZ(38.2265, 32.4374, 4.5907)
contains.

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Color

**XYZ(38.1067, 32.2924,
4.5724)**

Conversions

Conversions Part 1

Format	Color
Hex	DC860C
RGB	220, 134, 12
RGB Percent	86%, 53%, 5%
CMY	0.1373, 0.4745, 0.9529
CMYK	0.00, 0.39, 0.95, 0.14
HSL	35°, 90%, 45%
HSV	35°, 95%, 86%
XYZ	38.1067, 32.2924, 4.5724
YIQ	145.8060, 90.4180, -19.7100

Conversions

Conversions Part 2

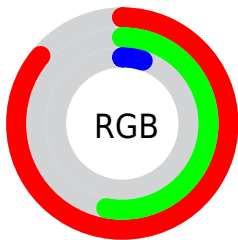
Format	Color
RYB	159, 220, 12
Decimal	14452236
CIELab	63.58, 25.65, 67.70
CIElCh	64, 72.394, 69.246
Yxy	32.2924, 0.5083, 0.4307
Android (android.graphics.Color)	4292642316 (0xFFDC860C)
YUV	145.8060, -65.9664, 65.0681
Hunter-Lab	56.8264, 20.2525, 35.0079

Details

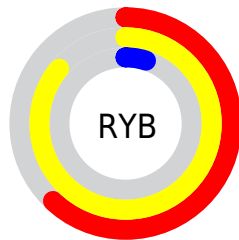
The XYZ color **38.1067, 32.2924, 4.5724** is a dark color, and the websafe version is hex **FF9933**. The color can be described as dark washed orange. A complement of this color would be **17.4377, 13.9810, 69.4893**, and the grayscale version is **27.4791, 28.9101, 31.4831**.

A 20% lighter version of the original color is **60.3148, 57.3225, 14.7229**, and **17.4684, 13.7116, 1.7259** is the 20% darker color. If you saturate the color by 10%, you get **37.3708, 30.9271, 3.9999**, and if you desaturate by 10%, it is **39.6417, 35.0067, 6.1816**.

Distribution



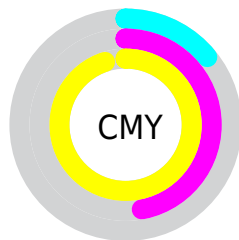
- Red (86%)
- Green (53%)
- Blue (5%)



- Red (62%)
- Yellow (86%)
- Blue (5%)



- Cyan (0%)
- Magenta (39%)
- Yellow (95%)
- Black (14%)





- Cyan (14%)
- Magenta (47%)
- Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.1067, 32.2924, 4.5724 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 38.1067, 32.2924, 4.5724 by changing the saturation by 10% instead.


 38.1067, 32.2924,
4.5724


 38.1067, 32.2924,
4.5724


329.3504,
312.4491, 154.3897

 26.2431, 21.5849,
1.9443


 71.5745, 63.2692,
15.3097


 17.1392, 13.5522,
0.5207


 93.9094, 84.3073,
24.2561


 10.4297, 7.8099,
0.0000


 120.4655,
109.5578, 36.1456

 5.7492, 3.9736,
0.0000

 151.6080,
139.4050, 51.3968

 2.7324, 1.6588,
0.0000

 187.7024,
174.2333, 70.4283

 1.0139, 0.3968,
0.0000

 229.1141,

 0.0000, 0.0000,

214.4272, 93.6586

0.0000

276.2083,
260.3710, 121.5062

38.1067, 32.2924,
4.5724

38.1067, 32.2924,
4.5724

37.3708, 30.9271,
3.9999

39.6417, 35.0067,
6.1816

41.4894, 38.0219,
8.8946

43.6867, 41.3582,
12.8896

46.2635, 45.0315,
18.3121

49.2459, 49.0559,
25.2880

■ 52.6572, 53.4446,
33.9291

■ 56.5189, 58.2095,
44.3367

■ 60.8507, 63.3622,
56.6041

■ 65.6709, 68.9133,
70.8180

Harmonies

Analogous

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



48.3357, 32.2924, 10.3967



38.1067, 32.2924, 4.5724



27.6753, 32.2924, 3.8704

Triad

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



38.1067, 32.2924, 4.5724



15.2308, 32.2924, 44.8824



44.7014, 32.2924, 98.2691

Complementary

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



38.1067, 32.2924, 4.5724



17.4377, 13.9810, 69.4893

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.



33.9223, 32.2924, 123.6604



38.1067, 32.2924, 4.5724



17.9694, 32.2924, 83.4298

Square

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



38.1067, 32.2924, 4.5724



15.8717, 32.2924, 18.8973



24.3091, 32.2924, 117.1005



52.6863, 32.2924, 58.7985

Rectangle

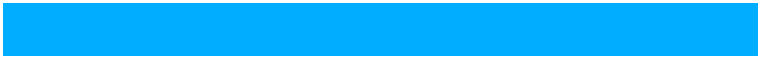
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



38.1067, 32.2924, 4.5724



22.1443, 32.2924, 5.5259



24.3091, 32.2924, 117.1005



41.1994, 32.2924, 109.5038

Sweetspot

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



38.1074, 32.2941, 4.5730



76.9050, 78.8143, 56.2872



31.8830, 16.3733, 13.2020



15.9636, 16.2538, 10.7143



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.



38.1074, 32.2941, 4.5730



52.0781, 42.9362, 5.5427



50.1974, 63.8624, 10.0291



13.6875, 14.3143, 13.7671



22.0450, 18.3755, 2.3849



1.5124, 1.3589, 0.1826

Inverse Universe

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



17.4377, 13.9810, 69.4893



23.1453, 17.4106, 96.7484



13.5661, 5.6966, 68.0943



12.7787, 13.4971, 16.5838



9.8791, 7.6276, 40.6900



0.7237, 0.6614, 2.6640

Previews

White Background



This preview shows how the XYZ color 38.1067, 32.2924, 4.5724 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 38.1067, 32.2924, 4.5724 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 38.1067, 32.2924, 4.5724

Background



This preview shows how black text looks on a background with the XYZ color 38.1067, 32.2924, 4.5724.



This preview shows how white text looks on a background with the XYZ color 38.1067, 32.2924,

4.5724.

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

38.1067, 32.2924, 4.5724

Protanopia

29.3032, 32.4919, 5.3889

Deuteranopia

32.7846, 32.1599, 4.4795



Tritanopia

42.6880, 32.3960, 26.5574

Trichromacy



Original Color

38.1067, 32.2924, 4.5724

Protanomaly

32.0208, 31.9843, 5.0162

Deuteranomaly

34.5968, 32.1921, 4.5051

Tritanomaly

39.9961, 31.8645, 13.7153

Monochromacy



Original Color

38.1067, 32.2924, 4.5724

Achromatopsia

27.3213, 28.7441, 31.3023

Achromatomaly

29.0642, 29.0933, 15.3930

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.1067, 32.2924, 4.5724 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(220, 134, 12)` looks like.

```
.text, #text, p{  
    color:rgb(220, 134, 12)  
}
```

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(220, 134, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 134, 12) }
```

Border

The CSS property to change the border of an element to XYZ 38.1067, 32.2924, 4.5724 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(220, 134, 12) }
```


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

```
.border{ border-color:rgb(220, 134, 12) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 134, 12)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 134, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 134, 12);  
box-shadow:4px 4px 4px 4px rgb(220, 134,  
12) }
```

Background

The CSS property to change the background color of an element to XYZ 38.1067, 32.2924, 4.5724 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 134, 12) }
```

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

```
.background{ background-color: rgb(220,  
134, 12) }
```

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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