

Converting Colors

XYZ(34.3784, 24.0764, 2.8353)

Have a look what the booklet for
XYZ(34.3784, 24.0764, 2.8353)
contains.

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Color

**XYZ(34.3989, 24.0790,
2.8347)**

Conversions

Conversions Part 1

Format	Color
Hex	DE6100
RGB	222, 97, 0
RGB Percent	87%, 38%, 0%
CMY	0.1294, 0.6196, 1.0000
CMYK	0.00, 0.56, 1.00, 0.13
HSL	26°, 100%, 44%
HSV	26°, 100%, 87%
XYZ	34.3989, 24.0790, 2.8347
YIQ	123.3170, 105.6370, -3.6670

Conversions

Conversions Part 2

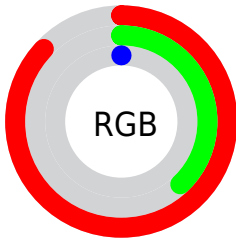
Format	Color
R_{YB}	222, 172, 0
Decimal	14573824
CIE Lab	56.17, 45.25, 65.15
CIE LCh	56, 79.325, 55.215
Yxy	24.0790, 0.5610, 0.3927
Android (android.graphics.Color)	4292763904 (0xFFDE6100)
YUV	123.3170, -60.7953, 86.5450
Hunter-Lab	49.0704, 39.2575, 30.9242

Details

The XYZ color **34.3989, 24.0790, 2.8347** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed orange. A complement of this color would be **20.5180, 19.9404, 71.8741**, and the grayscale version is **19.1031, 20.0979, 21.8866**.

A 20% lighter version of the original color is **53.1005, 43.4543, 10.5899**, and **15.1988, 9.1723, 0.9694** is the 20% darker color. If you saturate the color by 10%, you get **34.3991, 24.0797, 2.8348**, and if you desaturate by 10%, it is **35.7937, 26.6341, 4.0239**.

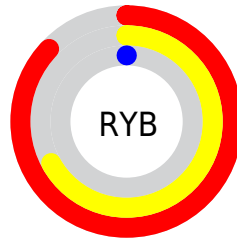
Distribution



Red (87%)

Green (38%)

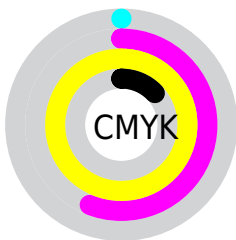
Blue (0%)



Red (87%)

Yellow (67%)

Blue (0%)

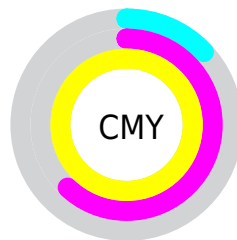


Cyan (0%)

Magenta (56%)

Yellow (100%)

Black (13%)



Cyan (13%)


Magenta (62%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.3989, 24.0790, 2.8347 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 34.3989, 24.0790, 2.8347 by changing the saturation by 10% instead.


 34.3989, 24.0790,
2.8347


 34.3989, 24.0790,
2.8347


313.4618,
273.2196, 134.2266

 23.3646, 15.3922,
1.0109


 65.8937, 50.1591,
11.2178


 14.9851, 9.0951,
0.0000


 87.0848, 68.3212,
18.6140


 8.8952, 4.8033,
0.0000


 112.3923, 90.4105,
28.7049

 4.7294, 2.1323,
0.0000

 142.1814,
116.8115, 41.9089

 2.1225, 0.6827,
0.0000

 176.8176,
147.9085, 58.6445


 0.7014, 0.0000,
0.0000


 216.6662,


 0.0000, 0.0000,


184.0859, 79.3303


0.0000


 262.0924,
225.7282, 104.3848


 34.3989, 24.0790,
2.8347


 34.3989, 24.0790,
2.8347

 34.3991, 24.0797,
2.8348

 35.7937, 26.6341,
4.0239

 37.5466, 29.6352,
6.1643

 39.7205, 33.1205,
9.5478

 42.3536, 37.1167,
14.3404

 45.4787, 41.6477,
20.6823

■ 49.1252, 46.7355,
28.6965

■ 53.3199, 52.4005,
38.4932

■ 58.0873, 58.6621,
50.1734

■ 63.4506, 65.5387,
63.8303

Harmonies

Analogous

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



42.6627, 24.0790, 10.1324



34.3989, 24.0790, 2.8347



24.3782, 24.0790, 1.2717

Triad

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



34.3989, 24.0790, 2.8347



9.4968, 24.0790, 22.2535



31.1851, 24.0790, 102.7816

Complementary

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



34.3989, 24.0790, 2.8347



20.5180, 19.9404, 71.8741

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.



21.4566, 24.0790, 114.6563



34.3989, 24.0790, 2.8347



10.4194, 24.0790, 53.9073

Square

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



34.3989, 24.0790, 2.8347



11.3078, 24.0790, 6.7540



14.2803, 24.0790, 92.7286



40.4884, 24.0790, 66.4915

Rectangle

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



34.3989, 24.0790, 2.8347



18.5920, 24.0790, 1.4940



14.2803, 24.0790, 92.7286



27.7958, 24.0790, 110.4752

Sweetspot

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



34.3994, 24.0804, 2.8351



72.8515, 71.5452, 52.3531



33.8771, 17.0308, 21.1735



15.0525, 14.5890, 9.9257



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.



34.3994, 24.0804, 2.8351



46.9709, 32.7218, 3.8403



52.4852, 60.2519, 8.8637



14.1975, 14.6810, 14.3922



20.5389, 14.5157, 1.7193



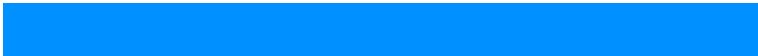
1.5116, 1.1820, 0.1485

Inverse Universe

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



20.5180, 19.9404, 71.8741



27.9590, 27.0381, 98.3530



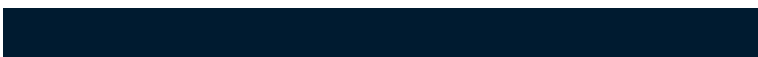
13.3529, 5.6101, 69.4857



13.5891, 14.5174, 17.4736



12.2997, 12.0690, 42.7296



0.9412, 1.0139, 2.9913

Previews

White Background



This preview shows how the XYZ color 34.3989, 24.0790, 2.8347 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 34.3989, 24.0790, 2.8347 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 34.3989, 24.0790, 2.8347

Background



This preview shows how black text looks on a background with the XYZ color 34.3989, 24.0790, 2.8347.



This preview shows how white text looks on a background with the XYZ color 34.3989, 24.0790,

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

34.3989, 24.0790, 2.8347

Protanopia

21.8884, 24.3379, 4.2535

Deuteranopia

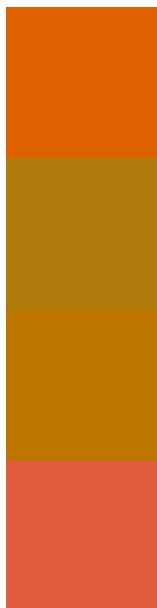
24.5138, 24.0963, 3.3590



Tritanopia

36.5080, 24.0042, 13.7754

Trichromacy



Original Color

34.3989, 24.0790, 2.8347

Protanomaly

25.1636, 23.2952, 3.5509

Deuteranomaly

27.5965, 23.6697, 3.1142

Tritanomaly

35.1881, 23.8536, 7.1645

Monochromacy



Original Color

34.3989, 24.0790, 2.8347

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

21.6905, 19.9556, 9.9163

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.3989, 24.0790, 2.8347 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(222, 97, 0)` looks like.

```
.text, #text, p{  
    color:rgb(222, 97, 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(222, 97, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 97, 0) }
```

Border

The CSS property to change the border of an element to XYZ 34.3989, 24.0790, 2.8347 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(222, 97, 0) }
```


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

```
.border{ border-color:rgb(222, 97, 0) }
```

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

Here you see how a box with a 4 pixel rgb(222, 97, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 97, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 97, 0);  
box-shadow:4px 4px 4px 4px rgb(222, 97, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 34.3989, 24.0790, 2.8347 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 97, 0) }
```

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

```
.background{ background-color: rgb(222, 97,  
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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