

Converting Colors

XYZ(35.8869, 26.5252, 0.7824)

Have a look what the booklet for
XYZ(35.8869, 26.5252, 0.7824)
contains.

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Color

**XYZ(36.4139, 26.7327,
3.2407)**

Conversions

Conversions Part 1

Format	Color
Hex	E16C00
RGB	225, 108, 0
RGB Percent	88%, 42%, 0%
CMY	0.1177, 0.5764, 1.0000
CMYK	0.00, 0.52, 1.00, 0.12
HSL	29°, 100%, 44%
HSV	29°, 100%, 88%
XYZ	36.4139, 26.7327, 3.2407
YIQ	130.6710, 104.4000, -8.7840

Conversions

Conversions Part 2

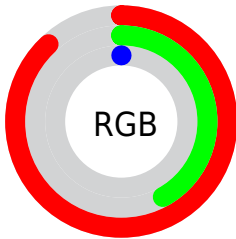
Format	Color
R _Y B	225, 208, 0
Decimal	14773248
CIE Lab	58.73, 41.05, 66.86
CIE LCh	59, 78.454, 58.451
Yxy	26.7327, 0.5485, 0.4027
Android (android.graphics.Color)	4292963328 (0xFFE16C00)
YUV	130.6710, -64.4208, 82.7265
Hunter-Lab	51.7037, 35.2327, 32.4764

Details

The XYZ color **36.4139, 26.7327, 3.2407** 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 **19.9516, 18.1584, 73.6869**, and the grayscale version is **21.6535, 22.7812, 24.8087**.

A 20% lighter version of the original color is **54.9980, 47.1550, 11.5133**, and **16.3634, 10.6076, 1.1850** is the 20% darker color. If you saturate the color by 10%, you get **36.4141, 26.7334, 3.2408**, and if you desaturate by 10%, it is **37.8821, 29.4299, 4.4689**.

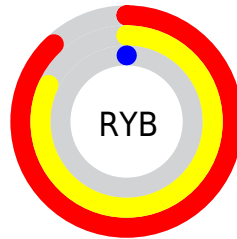
Distribution



Red (88%)

Green (42%)

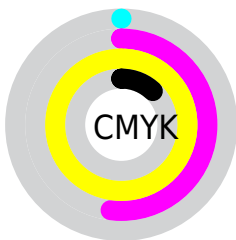
Blue (0%)



Red (88%)

Yellow (82%)

Blue (0%)

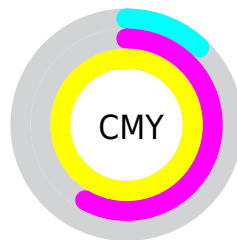


Cyan (0%)

Magenta (52%)

Yellow (100%)

Black (12%)



Cyan (12%)


Magenta (58%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.4139, 26.7327, 3.2407 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 36.4139, 26.7327, 3.2407 by changing the saturation by 10% instead.


 36.4139, 26.7327,
3.2407


 36.4139, 26.7327,
3.2407


322.1658,
286.3606, 139.3696


 24.9256, 17.3726,
1.2188


 68.9901, 54.4546,
12.2168


 16.1501, 10.5005,
0.0000


 90.8088, 73.5852,
20.0081

 9.7219, 5.7320,
0.0000


 116.8016, 96.7415,
30.5597

 5.2758, 2.6828,
0.0000

 147.3340,
124.3077, 44.2900

 2.4464, 0.9685,
0.0000

 182.7712,
156.6683, 61.6176


 0.8683, 0.0000,
0.0000


 223.4787,


 0.0000, 0.0000,


194.2077, 82.9610


0.0000


 269.8218,
237.3104, 108.7389


 36.4139, 26.7327,
3.2407

 36.4139, 26.7327,
3.2407

 36.4141, 26.7334,
3.2408

 37.8821, 29.4299,
4.4689

 39.6959, 32.5390,
6.6717

 41.9179, 36.0956,
10.1480

 44.5858, 40.1238,
15.0690

 47.7322, 44.6450,
21.5790

■ 51.3858, 49.6792,
29.8047

■ 55.5729, 55.2445,
39.8595

■ 60.3175, 61.3582,
51.8475

■ 65.6423, 68.0368,
65.8644

Harmonies

Analogous

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



45.4783, 26.7327, 10.4136



36.4139, 26.7327, 3.2407



25.9139, 26.7327, 1.7438

Triad

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



36.4139, 26.7327, 3.2407



11.0011, 26.7327, 27.6933



35.3199, 26.7327, 105.3558

Complementary

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



36.4139, 26.7327, 3.2407



19.9516, 18.1584, 73.6869

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.



24.9100, 26.7327, 121.1813



36.4139, 26.7327, 3.2407



12.3308, 26.7327, 62.4985

Square

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



36.4139, 26.7327, 3.2407



12.6434, 26.7327, 9.2084



16.8795, 26.7327, 102.0029



44.7423, 26.7327, 66.7351

Rectangle

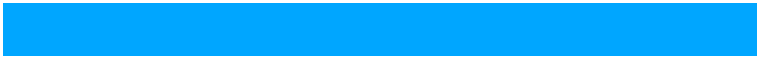
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



36.4139, 26.7327, 3.2407



19.9739, 26.7327, 2.1932



16.8795, 26.7327, 102.0029



31.7494, 26.7327, 114.2927

Sweetspot

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



36.4145, 26.7342, 3.2412



73.6831, 73.2083, 52.6303



34.4415, 17.3637, 19.3064



15.2483, 14.9805, 9.9909



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.



36.4145, 26.7342, 3.2412



48.2494, 35.2788, 4.2665



55.9929, 65.8910, 9.7673



14.2474, 14.7807, 14.4088



21.0993, 15.6365, 1.9061



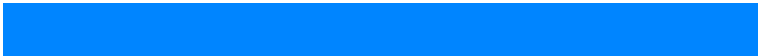
1.5518, 1.2624, 0.1619

Inverse Universe

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



19.9516, 18.1584, 73.6869



26.3821, 23.8843, 97.8274



13.6720, 5.5992, 71.5937



13.5387, 14.4165, 17.4568



11.6147, 10.6989, 42.5013



0.8946, 0.9207, 2.9758

Previews

White Background



This preview shows how the XYZ color 36.4139, 26.7327, 3.2407 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 36.4139, 26.7327, 3.2407 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 36.4139, 26.7327, 3.2407

Background



This preview shows how black text looks on a background with the XYZ color 36.4139, 26.7327, 3.2407.



This preview shows how white text looks on a background with the XYZ color 36.4139, 26.7327,

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

36.4139, 26.7327, 3.2407

Protanopia

24.2965, 26.8701, 4.5677

Deuteranopia

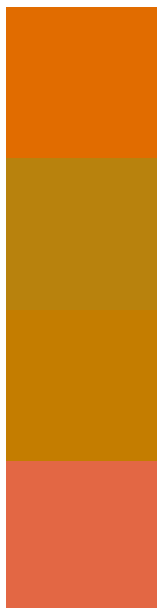
27.2544, 26.9117, 3.7580



Tritanopia

39.2059, 26.6699, 16.9913

Trichromacy



Original Color

36.4139, 26.7327, 3.2407

Protanomaly

27.8224, 26.1847, 3.9685

Deuteranomaly

30.0986, 26.4030, 3.5099

Tritanomaly

37.5722, 26.4487, 8.5937

Monochromacy



Original Color

36.4139, 26.7327, 3.2407

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

24.1613, 22.7898, 11.3090

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.4139, 26.7327, 3.2407 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(225, 108, 0)` looks like.

```
.text, #text, p{  
    color:rgb(225, 108, 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(225, 108, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 108, 0) }
```

Border

The CSS property to change the border of an element to XYZ 36.4139, 26.7327, 3.2407 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(225, 108, 0) }
```


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

```
.border{ border-color:rgb(225, 108, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 108, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 108, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 108, 0);  
box-shadow:4px 4px 4px 4px rgb(225, 108,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 36.4139, 26.7327, 3.2407 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 108, 0) }
```

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

```
.background{ background-color: rgb(225,  
108, 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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