

Converting Colors

XYZ(37.7131, 26.8691, 3.1986)

Have a look what the booklet for
XYZ(37.7131, 26.8691, 3.1986)
contains.

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Color

**XYZ(37.6847, 26.9261,
3.2111)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | E66900 |
| RGB | 230, 105, 0 |
| RGB Percent | 90%, 41%, 0% |
| CMY | 0.0980, 0.5882, 1.0000 |
| CMYK | 0.00, 0.54, 1.00, 0.10 |
| HSL | 27°, 100%, 45% |
| HSV | 27°, 100%, 90% |
| XYZ | 37.6847, 26.9261, 3.2111 |
| YIQ | 130.4050, 108.2050, -6.1550 |

Conversions

Conversions Part 2

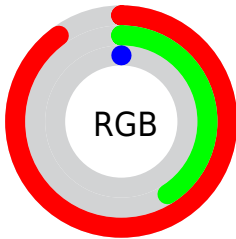
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 230, 193, 0 |
| Decimal | 15100160 |
| CIE _{Lab} | 58.91, 44.45, 67.36 |
| CIE _{LCh} | 59, 80.702, 56.578 |
| Yxy | 26.9261, 0.5556, 0.3970 |
| Android (android.graphics.Color) | 4293290240 (0xFFE66900) |
| YUV | 130.4050, -64.2897, 87.3448 |
| Hunter-Lab | 51.8904, 38.8252, 32.6542 |

Details

The XYZ color **37.6847, 26.9261, 3.2111** 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 **21.6165, 20.3803, 77.6568**, and the grayscale version is **21.5571, 22.6798, 24.6983**.

A 20% lighter version of the original color is **54.6513, 46.4615, 11.3977**, and **17.2095, 10.7617, 1.1702** is the 20% darker color. If you saturate the color by 10%, you get **37.6848, 26.9267, 3.2112**, and if you desaturate by 10%, it is **39.2082, 29.7259, 4.4822**.

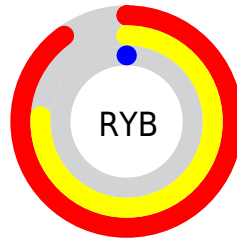
Distribution



Red (90%)

Green (41%)

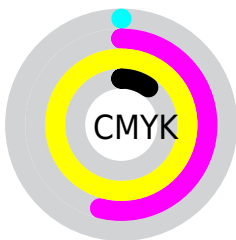
Blue (0%)



Red (90%)

Yellow (76%)

Blue (0%)

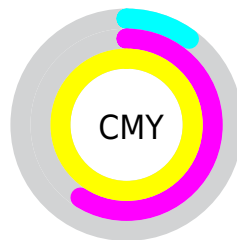


Cyan (0%)

Magenta (54%)

Yellow (100%)

Black (10%)



Cyan (10%)


Magenta (59%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.6847, 26.9261, 3.2111 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 37.6847, 26.9261, 3.2111 by changing the saturation by 10% instead.


 37.6847, 26.9261,
3.2111


 37.6847, 26.9261,
3.2111


327.5698,
287.2991, 139.0055


 25.9142, 17.5177,
1.2034


 70.9316, 54.7653,
12.1450


 16.8918, 10.6043,
0.0000


 93.1387, 73.9648,
19.9084

 10.2522, 5.8014,
0.0000


 119.5554, 97.1969,
30.4273

 5.6300, 2.7247,
0.0000

 150.5470,
124.8460, 44.1205

 2.6600, 0.9898,
0.0000

 186.4789,
157.2963, 61.4063


 0.9766, 0.0000,
0.0000


 227.7164,


 0.0000, 0.0000,


194.9323, 82.7034


0.0000


 274.6249,
238.1385, 108.4303

 37.6847, 26.9261,
3.2111


 37.6847, 26.9261,
3.2111


 37.6848, 26.9267,
3.2112

 39.2082, 29.7259,
4.4822

 41.1097, 32.9873,
6.7861

 43.4558, 36.7497,
10.4345

 46.2873, 41.0404,
15.6090

 49.6394, 45.8839,
22.4622

■ 53.5432, 51.3027,
31.1280

■ 58.0272, 57.3177,
41.7268

■ 63.1178, 63.9486,
54.3682

■ 68.8392, 71.2142,
69.1537

Harmonies

Analogous

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



46.8775, 26.9261, 10.9620



37.6847, 26.9261, 3.2111



26.7551, 26.9261, 1.5614

Triad

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



37.6847, 26.9261, 3.2111



10.8182, 26.9261, 26.1582



35.1746, 26.9261, 111.0562

Complementary

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



37.6847, 26.9261, 3.2111



21.6165, 20.3803, 77.6568

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.



24.4640, 26.9261, 125.5170



37.6847, 26.9261, 3.2111



11.9804, 26.9261, 61.4237

Square

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



37.6847, 26.9261, 3.2111



12.6844, 26.9261, 8.2695



16.4107, 26.9261, 103.2735



45.1835, 26.9261, 71.2049

Rectangle

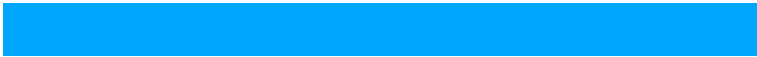
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



37.6847, 26.9261, 3.2111



20.4982, 26.9261, 1.8918



16.4107, 26.9261, 103.2735



31.4677, 26.9261, 119.8397

Sweetspot

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



37.6853, 26.9276, 3.2115



73.2275, 72.2971, 52.4784



36.4314, 18.3424, 21.5296



15.1410, 14.7659, 9.9551



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.



37.6853, 26.9276, 3.2115



47.5336, 33.8472, 4.0279



57.8341, 67.2252, 9.9278



14.9163, 15.4465, 15.0998



21.4542, 15.4825, 1.8577



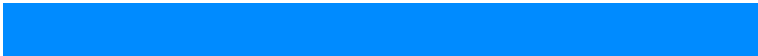
1.6773, 1.3279, 0.1679

Inverse Universe

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



21.6165, 20.3803, 77.6568



27.2223, 25.5647, 98.1074



14.4085, 5.9643, 75.2542



14.2286, 15.1786, 18.3242



12.3616, 11.7853, 44.0064



1.0061, 1.0561, 3.2828

Previews

White Background



This preview shows how the XYZ color 37.6847, 26.9261, 3.2111 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 37.6847, 26.9261, 3.2111 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 37.6847, 26.9261, 3.2111

Background



This preview shows how black text looks on a background with the XYZ color 37.6847, 26.9261, 3.2111.



This preview shows how white text looks on a background with the XYZ color 37.6847, 26.9261,

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

37.6847, 26.9261, 3.2111

Protanopia

24.4550, 27.1726, 4.6654

Deuteranopia

27.4864, 27.0312, 3.7689



Tritanopia

40.4706, 27.0585, 16.1865

Trichromacy



Original Color

37.6847, 26.9261, 3.2111

Protanomaly

27.9305, 26.0439, 3.9356

Deuteranomaly

30.4964, 26.4211, 3.4924

Tritanomaly

38.9158, 26.8565, 8.2870

Monochromacy



Original Color

37.6847, 26.9261, 3.2111

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

24.1246, 22.4063, 11.2370

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.6847, 26.9261, 3.2111 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(230, 105, 0)` looks like.

```
.text, #text, p{  
    color:rgb(230, 105, 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(230, 105, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 105, 0) }
```

Border

The CSS property to change the border of an element to XYZ 37.6847, 26.9261, 3.2111 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(230, 105, 0) }
```


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

```
.border{ border-color:rgb(230, 105, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 105, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 105, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 105, 0);  
box-shadow:4px 4px 4px 4px rgb(230, 105,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 37.6847, 26.9261, 3.2111 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 105, 0) }
```

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

```
.background{ background-color: rgb(230,  
105, 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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