

Converting Colors

XYZ(37.5778, 29.5220, 3.7178)

Have a look what the booklet for
XYZ(37.5778, 29.5220, 3.7178)
contains.

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Color

**XYZ(37.5778, 29.5220,
3.7178)**

Conversions

Conversions Part 1

Format	Color
Hex	E07900
RGB	224, 121, 0
RGB Percent	88%, 47%, 0%
CMY	0.1216, 0.5255, 1.0000
CMYK	0.00, 0.46, 1.00, 0.12
HSL	32°, 100%, 44%
HSV	32°, 100%, 88%
XYZ	37.5778, 29.5220, 3.7178
YIQ	138.0030, 100.2290, -15.7950

Conversions

Conversions Part 2

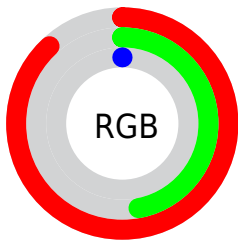
Format	Color
R_{YB}	191, 224, 0
Decimal	14711040
CIE _{Lab}	61.24, 34.04, 68.29
CIE _{LCh}	61, 76.303, 63.502
Yxy	29.5220, 0.5306, 0.4169
Android (android.graphics.Color)	4292901120 (0xFFE07900)
YUV	138.0030, -68.0355, 75.4194
Hunter-Lab	54.3342, 28.3668, 33.9770

Details

The XYZ color **37.5778, 29.5220, 3.7178** 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 **18.3050, 15.0828, 72.4668**, and the grayscale version is **24.3847, 25.6546, 27.9378**.

A 20% lighter version of the original color is **57.4815, 51.9743, 12.7968**, and **17.1535, 12.1879, 1.4484** is the 20% darker color. If you saturate the color by 10%, you get **37.5778, 29.5224, 3.7178**, and if you desaturate by 10%, it is **39.0465, 32.2218, 4.9414**.

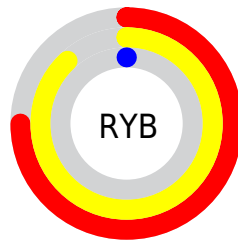
Distribution



Red (88%)

Green (47%)

Blue (0%)



Red (75%)

Yellow (88%)

Blue (0%)

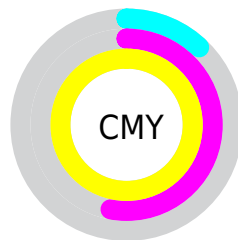


Cyan (0%)

Magenta (46%)

Yellow (100%)

Black (12%)



Cyan (12%)


Magenta (53%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.5778, 29.5220, 3.7178 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 37.5778, 29.5220, 3.7178 by changing the saturation by 10% instead.


 37.5778, 29.5220,
3.7178


 37.5778, 29.5220,
3.7178


327.1176,
299.6700, 145.0351

 25.8309, 19.4761,
1.4718


 70.7686, 58.9054,
13.3535


 16.8292, 12.0148,
0.1968


 92.9433, 79.0117,
21.5803


 10.2073, 6.7537,
0.0000


 119.3245,
103.2402, 32.6379

 5.6000, 3.3086,
0.0000

 150.2778,
131.9753, 46.9447

 2.6417, 1.2949,
0.0000

 186.1683,
165.6015, 64.9192


 0.9673, 0.1372,
0.0000


 227.3616,


 0.0000, 0.0000,


204.5030, 86.9801


0.0000


 274.2229,
249.0644, 113.5459


 37.5778, 29.5220,
3.7178


 37.5778, 29.5220,
3.7178

 37.5778, 29.5224,
3.7178

 39.0465, 32.2218,
4.9414

 40.8247, 35.2642,
7.1185

 42.9726, 38.6809,
10.5445

 45.5257, 42.4919,
15.3883

 48.5142, 46.7150,
21.7920

■ 51.9652, 51.3664,
29.8802

■ 55.9028, 56.4612,
39.7648

■ 60.3496, 62.0134,
51.5480

■ 65.3264, 68.0364,
65.3242

Harmonies

Analogous

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



47.4178, 29.5220, 10.2750



37.5778, 29.5220, 3.7178



26.8977, 29.5220, 2.5220

Triad

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



37.5778, 29.5220, 3.7178



12.8722, 29.5220, 35.6390



40.1127, 29.5220, 103.7372

Complementary

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



37.5778, 29.5220, 3.7178



18.3050, 15.0828, 72.4668

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.



29.2548, 29.5220, 124.8474



37.5778, 29.5220, 3.7178



14.8508, 29.5220, 73.3044

Square

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



37.5778, 29.5220, 3.7178



14.0930, 29.5220, 13.2573



20.3022, 29.5220, 111.2837



49.1095, 29.5220, 63.6357

Rectangle

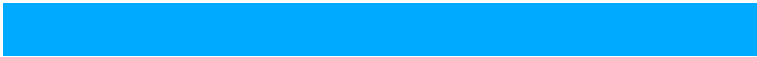
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



37.5778, 29.5220, 3.7178



21.0479, 29.5220, 3.4354



20.3022, 29.5220, 111.2837



36.4780, 29.5220, 114.1012

Sweetspot

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



37.5784, 29.5236, 3.7183



74.8734, 75.5889, 53.0270



33.2664, 16.8578, 14.7411



15.5297, 15.5433, 10.0847



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.



37.5784, 29.5236, 3.7183



50.2925, 39.3649, 4.9475



55.1320, 67.9910, 10.2181



14.3175, 14.9210, 14.4322



21.9896, 17.4171, 2.2029



1.6135, 1.3858, 0.1825

Inverse Universe

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



18.3050, 15.0828, 72.4668



24.4406, 20.0012, 97.1802



13.5481, 5.4302, 70.8544



13.4687, 14.2766, 17.4335



10.7668, 9.0031, 42.2187



0.8351, 0.8016, 2.9560

Previews

White Background



This preview shows how the XYZ color 37.5778, 29.5220, 3.7178 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 37.5778, 29.5220, 3.7178 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 37.5778, 29.5220, 3.7178

Background



This preview shows how black text looks on a background with the XYZ color 37.5778, 29.5220, 3.7178.



This preview shows how white text looks on a background with the XYZ color 37.5778, 29.5220,

3.7178.

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

37.5778, 29.5220, 3.7178

Protanopia

26.8013, 29.7574, 4.9473

Deuteranopia

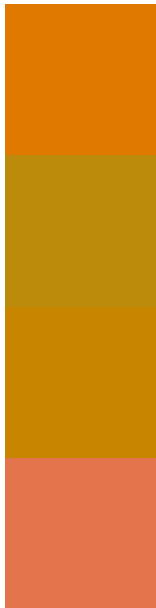
30.0184, 29.6145, 4.1340



Tritanopia

41.2902, 29.6603, 21.3181

Trichromacy



Original Color

37.5778, 29.5220, 3.7178

Protanomaly

30.0380, 29.1831, 4.3976

Deuteranomaly

32.3445, 29.3296, 3.9564

Tritanomaly

39.2285, 29.3435, 10.4338

Monochromacy



Original Color

37.5778, 29.5220, 3.7178

Achromatopsia

24.1572, 25.4152, 27.6772

Achromatomaly

26.3749, 25.6421, 12.7918

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.5778, 29.5220, 3.7178 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(224, 121, 0)` looks like.

```
.text, #text, p{  
    color:rgb(224, 121, 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(224, 121, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 121, 0) }
```

Border

The CSS property to change the border of an element to XYZ 37.5778, 29.5220, 3.7178 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(224, 121, 0) }
```


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

```
.border{ border-color:rgb(224, 121, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 121, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 121, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 121, 0);  
box-shadow:4px 4px 4px 4px rgb(224, 121,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 37.5778, 29.5220, 3.7178 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 121, 0) }
```

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

```
.background{ background-color: rgb(224,  
121, 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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