

Converting Colors

XYZ(44.5246, 27.8297, 3.0250)

Have a look what the booklet for
XYZ(44.5246, 27.8297, 3.0250)
contains.

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Color

**XYZ(44.4885, 27.7570,
3.0128)**

Conversions

Conversions Part 1

Format	Color
Hex	FF5500
RGB	255, 85, 0
RGB Percent	100%, 33%, 0%
CMY	0.0000, 0.6666, 1.0000
CMYK	0.00, 0.67, 1.00, 0.00
HSL	20°, 100%, 50%
HSV	20°, 100%, 100%
XYZ	44.4885, 27.7570, 3.0128
YIQ	126.1400, 128.6050, 9.6050

Conversions

Conversions Part 2

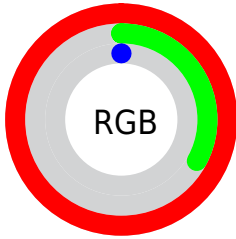
Format	Color
RYB	255, 128, 0
Decimal	16733440
CIELab	59.67, 62.06, 69.97
CIELCh	60, 93.526, 48.430
Yxy	27.7570, 0.5911, 0.3688
Android (android.graphics.Color)	4294923520 (0xFFFF5500)
YUV	126.1400, -62.1870, 113.0102
Hunter-Lab	52.6849, 58.5314, 33.4889

Details

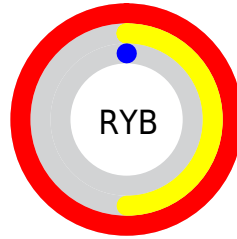
The XYZ color **44.4885, 27.7570, 3.0128** is a dark color, and the websafe version is hex **FF6600**, and the color name is **mystic red**. The color can be described as dark saturated red. A complement of this color would be **32.4230, 35.9661, 99.8403**, and the grayscale version is **20.0550, 21.0994, 22.9772**.

A 20% lighter version of the original color is **51.8964, 40.9993, 10.3327**, and **21.1433, 11.1329, 1.0345** is the 20% darker color. If you saturate the color by 10%, you get **44.4889, 27.7583, 3.0131**, and if you desaturate by 10%, it is **46.1730, 30.8370, 4.4670**.

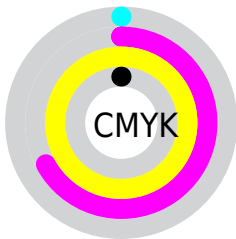
Distribution



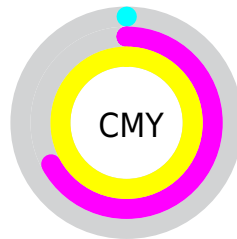
- Red (100%)
- Green (33%)
- Blue (0%)



- Red (100%)
- Yellow (50%)
- Blue (0%)



- Cyan (0%)
- Magenta (67%)
- Yellow (100%)
- Black (0%)




- Cyan (0%)
- Magenta (67%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 44.4885, 27.7570, 3.0128 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 44.4885, 27.7570, 3.0128 by changing the saturation by 10% instead.


 44.4885, 27.7570,
3.0128

 44.4885, 27.7570,
3.0128


355.5166,
291.3039, 136.5235


 31.2543, 18.1426,
1.1012


 81.1941, 56.0962,
11.6600


 20.9453, 11.0524,
0.0000


 105.3962, 75.5898,
19.2327

 13.1963, 6.1021,
0.0000


 133.9850, 99.1453,
29.5294

 7.6418, 2.9073,
0.0000

 167.3259,
127.1470, 42.9688

 3.9165, 1.0835,
0.0000

 205.7841,
159.9793, 59.9694


 1.6550, 0.0000,
0.0000

 249.7251,


 0.4278, 0.0000,


198.0266, 80.9496


0.0000


 299.5141,
241.6734, 106.3282


 0.0000, 0.0000,
0.0000


 44.4885, 27.7570,
3.0128


 44.4885, 27.7570,
3.0128


 44.4889, 27.7583,
3.0131

 46.1730, 30.8370,
4.4670

 48.4352, 34.6948,
7.2763

 51.3671, 39.3994,
11.8271

 55.0306, 45.0041,
18.3575

 59.4793, 51.5572,
27.0677

64.7612, 59.1028,
38.1330

70.9201, 67.6823,
51.7109

77.9965, 77.3344,
67.9448

86.0281, 88.0956,
86.9674

Harmonies

Analogous

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



54.3022, 27.7570, 13.9794



44.4885, 27.7570, 3.0128



31.2010, 27.7570, 0.7866

Triad

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



44.4885, 27.7570, 3.0128



9.8092, 27.7570, 18.9707



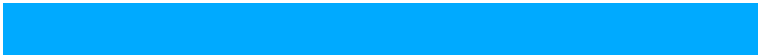
34.2272, 27.7570, 143.3330

Complementary

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



44.4885, 27.7570, 3.0128



32.4230, 35.9661, 99.8403

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.



22.0870, 27.7570, 149.0900



44.4885, 27.7570, 3.0128



10.1771, 27.7570, 55.7799

Square

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



44.4885, 27.7570, 3.0128



12.7849, 27.7570, 4.3564



14.0065, 27.7570, 109.5930



47.2646, 27.7570, 97.1193

Rectangle

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



44.4885, 27.7570, 3.0128



23.1931, 27.7570, 0.7244



14.0065, 27.7570, 109.5930



29.8511, 27.7570, 150.8898

Sweetspot

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



44.4891, 27.7586, 3.0132



70.9197, 67.6815, 51.7091



48.4955, 24.1622, 40.1383



14.6005, 13.6849, 9.7750



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.



44.4891, 27.7586, 3.0132



44.4892, 27.7585, 3.0131



64.9083, 68.5971, 9.8196



18.5041, 18.9763, 18.8319



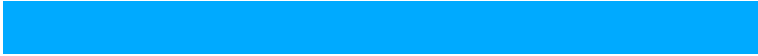
23.3685, 14.7483, 1.6150



2.3710, 1.6273, 0.1891

Inverse Universe

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



32.4230, 35.9661, 99.8403



32.4230, 35.9659, 99.8410



18.8958, 8.9118, 95.3312



18.0148, 19.4012, 23.0453



17.0847, 19.0790, 52.2167



1.7640, 2.0588, 5.1177

Previews

White Background



This preview shows how the XYZ color 44.4885, 27.7570, 3.0128 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 44.4885, 27.7570, 3.0128 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 44.4885, 27.7570, 3.0128

Background



This preview shows how black text looks on a background with the XYZ color 44.4885, 27.7570, 3.0128.



This preview shows how white text looks on a background with the XYZ color 44.4885, 27.7570,

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

44.4885, 27.7570, 3.0128

Protanopia

25.0714, 27.7070, 5.0635

Deuteranopia

28.2371, 27.8364, 3.8847



Tritanopia

45.8221, 27.8007, 11.5453

Trichromacy



Original Color

44.4885, 27.7570, 3.0128

Protanomaly

29.9491, 25.9422, 3.9592

Deuteranomaly

32.7729, 26.5122, 3.3900

Tritanomaly

44.9231, 27.5609, 6.4421

Monochromacy



Original Color

44.4885, 27.7570, 3.0128

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

24.3660, 20.8323, 10.3262

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.4885, 27.7570, 3.0128 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(255, 85, 0)` looks like.

```
.text, #text, p{  
    color:rgb(255, 85, 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(255, 85, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 85, 0) }
```

Border

The CSS property to change the border of an element to XYZ 44.4885, 27.7570, 3.0128 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(255, 85, 0) }
```


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

```
.border{ border-color:rgb(255, 85, 0) }
```

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

Here you see how a box with a 4 pixel rgb(255, 85, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 85, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 85, 0);  
box-shadow:4px 4px 4px 4px rgb(255, 85, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 44.4885, 27.7570, 3.0128 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 85, 0) }
```

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

```
.background{ background-color: rgb(255, 85,  
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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