

Converting Colors

$Y_{xy}(32.0550, 0.5266, 0.4117)$

Have a look what the booklet for
Yxy(32.0550, 0.5266, 0.4117)
contains.

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Color

Yxy(32.0488, 0.5273, 0.4113)

Conversions

Conversions Part 1

Format	Color
Hex	E97D16
RGB	233, 125, 22
RGB Percent	91%, 49%, 9%
CMY	0.0862, 0.5098, 0.9133
CMYK	0.00, 0.46, 0.91, 0.09
HSL	29°, 83%, 50%
HSV	29°, 91%, 91%
XYZ	41.0876, 32.0488, 4.7843
YIQ	145.5500, 97.4310, -9.1370

Conversions

Conversions Part 2

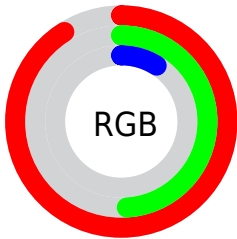
Format	Color
R _Y B	233, 223, 22
Decimal	15301910
CIE Lab	63.38, 35.89, 66.29
CIE LCh	63, 75.385, 61.569
Yxy	32.0488, 0.5273, 0.4113
Android (android.graphics.Color)	4293491990 (0xFFE97D16)
YUV	145.5500, -60.9102, 76.6936
Hunter-Lab	56.6117, 30.4813, 34.6175

Details

The Yxy color **32.0488, 0.5273, 0.4113** 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 **22.0535, 0.1840, 0.1761**, and the grayscale version is **28.7797, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.0794, 0.4601, 0.4231**, and **13.4436, 0.5586, 0.3947** is the 20% darker color. If you saturate the color by 10%, you get **29.2880, 0.5465, 0.4043**, and if you desaturate by 10%, it is **35.3900, 0.5032, 0.4139**.

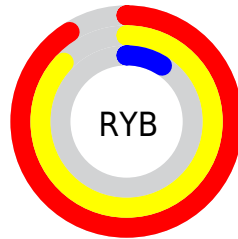
Distribution



Red (91%)

Green (49%)

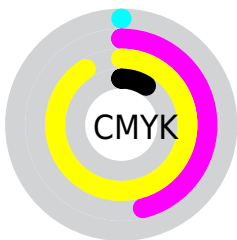
Blue (9%)



Red (91%)

Yellow (87%)

Blue (9%)

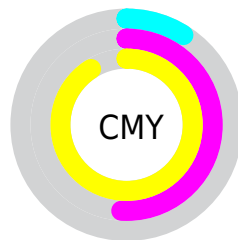


Cyan (0%)

Magenta (46%)

Yellow (91%)

Black (9%)



Cyan (9%)


Magenta (51%)


Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 32.0488, 0.5273, 0.4113 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 Yxy color 32.0488, 0.5273, 0.4113 by changing the saturation by 10% instead.


 32.0488, 0.5273,
0.4113


 32.0488, 0.5273,
0.4113


311.3415, 0.4221,
0.3845

 21.3988, 0.5491,
0.4112


 62.8876, 0.4917,
0.4064


 13.4158, 0.5743,
0.4076

 83.8451, 0.4773,
0.4030

 7.7155, 0.6027,
0.3973


 109.0073, 0.4649,
0.3996

 3.9134, 0.6282,
0.3718

 138.7585, 0.4540,
0.3962

 1.6253, 0.6677,
0.3323

 173.4831, 0.4445,
0.3930

 0.3745, 0.7757,
0.2243

 213.5656, 0.4361,


 0.0000, 1.0000,


0.3900


0.0000

 259.3902, 0.4287,
0.3871

 0.0000, 0.0000,
0.0000


 32.0488, 0.5273,
0.4113


 32.0488, 0.5273,
0.4113

 29.2880, 0.5465,
0.4043

 35.3900, 0.5032,
0.4139

 39.2038, 0.4761,
0.4111

 43.5179, 0.4478,
0.4039

 48.3552, 0.4200,
0.3935

 53.7368, 0.3938,
0.3812

■ 59.6823, 0.3700,
0.3680

■ 66.2101, 0.3486,
0.3547

■ 73.3375, 0.3299,
0.3418

■ 81.0812, 0.3135,
0.3296

Harmonies

Analogous

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



32.0488, 0.5335, 0.3350



32.0488, 0.5273, 0.4113



32.0488, 0.4593, 0.4921

Triad

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



32.0488, 0.5273, 0.4113



32.0488, 0.1740, 0.3862



32.0488, 0.2285, 0.1732

Complementary

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



32.0488, 0.5273, 0.4113



22.0535, 0.1840, 0.1761

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.



32.0488, 0.1606, 0.1659



32.0488, 0.5273, 0.4113



32.0488, 0.1327, 0.2606

Square

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



32.0488, 0.5273, 0.4113



32.0488, 0.2574, 0.5167



32.0488, 0.1300, 0.1907



32.0488, 0.3364, 0.2081

Rectangle

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



32.0488, 0.5273, 0.4113



32.0488, 0.3958, 0.5365



32.0488, 0.1300, 0.1907



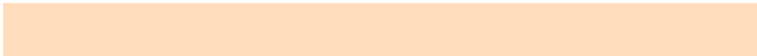
32.0488, 0.2012, 0.1676

Sweetspot

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



32.0505, 0.5273, 0.4113



75.8606, 0.3625, 0.3635



19.5447, 0.4702, 0.2419



15.6668, 0.3701, 0.3681



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



32.0505, 0.5273, 0.4113



35.7759, 0.5472, 0.4037



73.7010, 0.4202, 0.5002



16.2672, 0.3281, 0.3405



16.8626, 0.5440, 0.4062



1.5162, 0.5222, 0.4235

Inverse Universe

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



22.0535, 0.1840, 0.1761



23.3452, 0.1774, 0.1586



6.7777, 0.1544, 0.0679



15.8247, 0.2981, 0.3172



11.1189, 0.1784, 0.1621



1.0657, 0.1852, 0.1867

Previews

White Background



This preview shows how the Yxy color 32.0488, 0.5273, 0.4113 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 32.0488, 0.5273, 0.4113 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 ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 32.0488, 0.5273, 0.4113

Background



This preview shows how black text looks on a background with the Yxy color 32.0488, 0.5273, 0.4113.



This preview shows how white text looks on a background with the Yxy color 32.0488, 0.5273, 0.4113.

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

32.0488, 0.5273, 0.4113

Protanopia

32.0892, 0.4332, 0.4789

Deuteranopia

32.1599, 0.4722, 0.4632



Tritanopia

31.9760, 0.4485, 0.3196

Trichromacy



Original Color

32.0488, 0.5273, 0.4113

Protanomaly

31.3262, 0.4699, 0.4526

Deuteranomaly

31.7498, 0.4943, 0.4430

Tritanomaly

31.7311, 0.4893, 0.3615

Monochromacy



Original Color

32.0488, 0.5273, 0.4113

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

28.5815, 0.3992, 0.3829

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.0488, 0.5273, 0.4113 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(233, 125, 22)` looks like.

```
.text, #text, p{  
    color:rgb(233, 125, 22)  
}
```

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(233, 125, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 125, 22) }
```

Border

The CSS property to change the border of an element to Yxy 32.0488, 0.5273, 0.4113 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(233, 125, 22) }
```

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

```
.border{ border-color:rgb(233, 125, 22) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 125, 22)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 125, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 125, 22);  
box-shadow:4px 4px 4px 4px rgb(233, 125,  
22) }
```


Background

The CSS property to change the background color of an element to Yxy 32.0488, 0.5273, 0.4113 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 125, 22) }
```

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

```
.background{ background-color: rgb(233,  
125, 22) }
```

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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