

Converting Colors

$Y_{xy}(32.1793, 0.5173, 0.3934)$

Have a look what the booklet for
Yxy(32.1793, 0.5173, 0.3934)
contains.

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Color

Yxy(32.2558, 0.5165, 0.3937)

Conversions

Conversions Part 1

Format	Color
Hex	EC7B35
RGB	236, 123, 53
RGB Percent	93%, 48%, 21%
CMY	0.0745, 0.5176, 0.7924
CMYK	0.00, 0.48, 0.78, 0.07
HSL	23°, 83%, 57%
HSV	23°, 78%, 93%
XYZ	42.3168, 32.2558, 7.3573
YIQ	148.8070, 89.8180, 2.1860

Conversions

Conversions Part 2

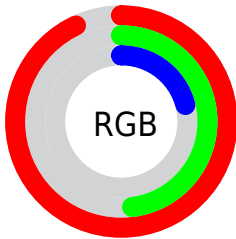
Format	Color
R _{YB}	236, 166, 53
Decimal	15498037
CIE Lab	63.55, 38.89, 55.70
CIE LCh	64, 67.933, 55.078
Yxy	32.2558, 0.5165, 0.3937
Android (android.graphics.Color)	4293688117 (0xFFEC7B35)
YUV	148.8070, -47.2329, 76.4683
Hunter-Lab	56.7942, 33.6088, 32.0753

Details

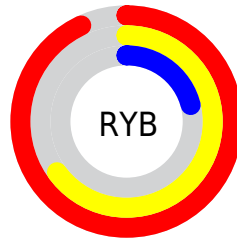
The Yxy color **32.2558, 0.5165, 0.3937** is a dark color, and the websafe version is hex **CC6600**. The color can be described as middle washed orange. A complement of this color would be **34.0619, 0.2034, 0.2292**, and the grayscale version is **30.1427, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.7038, 0.4454, 0.4023**, and **13.6334, 0.5650, 0.3896** is the 20% darker color. If you saturate the color by 10%, you get **28.7418, 0.5467, 0.3906**, and if you desaturate by 10%, it is **36.4179, 0.4835, 0.3918**.

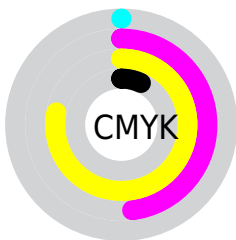
Distribution



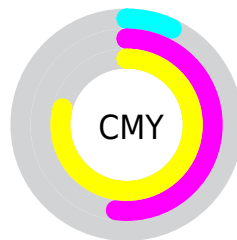
- Red (93%)
- Green (48%)
- Blue (21%)



- Red (93%)
- Yellow (65%)
- Blue (21%)



- Cyan (0%)
- Magenta (48%)
- Yellow (78%)
- Black (7%)




- Cyan (7%)
- Magenta (52%)
- Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.2558, 0.5165, 0.3937 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 32.2558, 0.5165, 0.3937 by changing the saturation by 10% instead.


 32.2558, 0.5165,
0.3937


 32.2558, 0.5165,
0.3937


312.2829, 0.4131,
0.3720


 21.5570, 0.5400,
0.3941


 63.2119, 0.4800,
0.3893

 13.5317, 0.5679,
0.3913


 84.2379, 0.4659,
0.3866


 7.7957, 0.6063,
0.3862


 109.4751, 0.4538,
0.3838

 3.9645, 0.6377,
0.3623

 139.3079, 0.4433,
0.3811

 1.6537, 0.6788,
0.3212

 174.1207, 0.4343,
0.3786

 0.3934, 0.7832,
0.2168

 214.2979, 0.4263,

 0.0000, 1.0000,

0.3763

0.0000

260.2238, 0.4193,
0.3741

■ 0.0000, 0.0000,
0.0000

■ 32.2558, 0.5165,
0.3937

■ 32.2558, 0.5165,
0.3937

■ 28.7418, 0.5467,
0.3906

■ 36.4179, 0.4835,
0.3918

■ 25.8285, 0.5716,
0.3823


■ 41.2590, 0.4503,
0.3858

■ 25.2003, 0.5771,
0.3800


■ 46.8134, 0.4189,
0.3773

■ 53.1115, 0.3905,
0.3673

■ 60.1815, 0.3654,
0.3567

 68.0501, 0.3437,
0.3463

 76.7425, 0.3250,
0.3362

 86.2829, 0.3091,
0.3268

 96.0098, 0.3011,
0.3281

Harmonies

Analogous

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



32.2558, 0.5036, 0.3230



32.2558, 0.5165, 0.3937



32.2558, 0.4669, 0.4670

Triad

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



32.2558, 0.5165, 0.3937



32.2558, 0.2008, 0.4086



32.2558, 0.2193, 0.1811

Complementary

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



32.2558, 0.5165, 0.3937



34.0619, 0.2034, 0.2292

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.



32.2558, 0.1633, 0.1808



32.2558, 0.5165, 0.3937



32.2558, 0.1521, 0.2895

Square

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



32.2558, 0.5165, 0.3937



32.2558, 0.2851, 0.5105



32.2558, 0.1413, 0.2133



32.2558, 0.3113, 0.2085

Rectangle

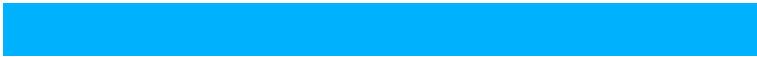
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



32.2558, 0.5165, 0.3937



32.2558, 0.4126, 0.5087



32.2558, 0.1413, 0.2133



32.2558, 0.1966, 0.1779

Sweetspot

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



32.2575, 0.5165, 0.3937



75.8189, 0.3553, 0.3520



23.2344, 0.4060, 0.2193



15.5176, 0.3635, 0.3559



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.



32.2575, 0.5165, 0.3937



32.1587, 0.5619, 0.3863



64.9732, 0.4300, 0.4761



15.9991, 0.3283, 0.3381



14.1224, 0.5742, 0.3823



1.2899, 0.5484, 0.4028

Inverse Universe

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



34.0619, 0.2034, 0.2292



33.9819, 0.1915, 0.2058



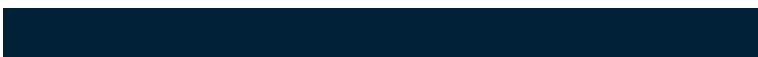
12.1692, 0.1720, 0.1085



16.0973, 0.2981, 0.3198



14.8727, 0.1885, 0.1987



1.3529, 0.1941, 0.2187

Previews

White Background



This preview shows how the Yxy color 32.2558, 0.5165, 0.3937 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 32.2558, 0.5165, 0.3937 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 32.2558, 0.5165, 0.3937

Background



This preview shows how black text looks on a background with the Yxy color 32.2558, 0.5165, 0.3937.



This preview shows how white text looks on a background with the Yxy color 32.2558, 0.5165, 0.3937.

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

32.2558, 0.5165, 0.3937

Protanopia

32.5611, 0.4143, 0.4557

Deuteranopia

32.5262, 0.4561, 0.4474



Tritanopia

32.2967, 0.4517, 0.3208

Trichromacy



Original Color

32.2558, 0.5165, 0.3937

Protanomaly

31.5628, 0.4526, 0.4314

Deuteranomaly

31.9457, 0.4793, 0.4263

Tritanomaly

32.2526, 0.4801, 0.3514

Monochromacy



Original Color

32.2558, 0.5165, 0.3937

Achromatopsia

30.0544, 0.3127, 0.3290

Achromatomaly

29.7948, 0.3872, 0.3666

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.2558, 0.5165, 0.3937 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(236, 123, 53)` looks like.

```
.text, #text, p{  
    color:rgb(236, 123, 53)  
}
```

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(236, 123, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 123, 53) }
```

Border

The CSS property to change the border of an element to Yxy 32.2558, 0.5165, 0.3937 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(236, 123, 53) }
```

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

```
.border{ border-color:rgb(236, 123, 53) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 123, 53)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 123, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 123, 53);  
box-shadow:4px 4px 4px 4px rgb(236, 123,  
53) }
```


Background

The CSS property to change the background color of an element to Yxy 32.2558, 0.5165, 0.3937 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 123, 53) }
```

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

```
.background{ background-color: rgb(236,  
123, 53) }
```

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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