

Converting Colors

$Y_{xy}(32.1693, 0.5096, 0.3752)$

Have a look what the booklet for
Yxy(32.1693, 0.5096, 0.3752)
contains.

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Color

Yxy(32.1738, 0.5095, 0.3754)

Conversions

Conversions Part 1

Format	Color
Hex	F07747
RGB	240, 119, 71
RGB Percent	94%, 47%, 28%
CMY	0.0589, 0.5333, 0.7217
CMYK	0.00, 0.50, 0.70, 0.06
HSL	17°, 85%, 61%
HSV	17°, 70%, 94%
XYZ	43.6669, 32.1738, 9.8647
YIQ	149.7070, 87.5240, 10.7240

Conversions

Conversions Part 2

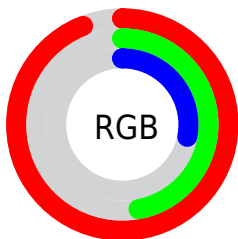
Format	Color
R _Y B	240, 138, 71
Decimal	15759175
CIE Lab	63.49, 43.20, 47.22
CIE LCh	63, 63.997, 47.546
Yxy	32.1738, 0.5095, 0.3754
Android (android.graphics.Color)	4293949255 (0xFFFF07747)
YUV	149.7070, -38.8026, 79.1870
Hunter-Lab	56.7220, 38.1532, 29.3941

Details

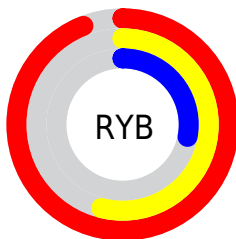
The Yxy color **32.1738, 0.5095, 0.3754** is a dark color, and the websafe version is hex **CC6633**. The color can be described as middle washed orange. A complement of this color would be **45.3064, 0.2165, 0.2639**, and the grayscale version is **30.5089, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.5276, 0.4345, 0.3827**, and **13.5372, 0.5644, 0.3725** is the 20% darker color. If you saturate the color by 10%, you get **28.1996, 0.5466, 0.3743**, and if you desaturate by 10%, it is **37.0120, 0.4714, 0.3726**.

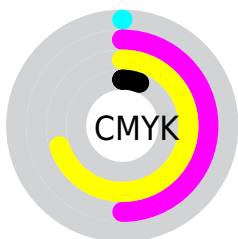
Distribution



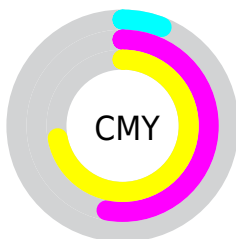
- Red (94%)
- Green (47%)
- Blue (28%)



- Red (94%)
- Yellow (54%)
- Blue (28%)



- Cyan (0%)
- Magenta (50%)
- Yellow (70%)
- Black (6%)





- Cyan (6%)
- Magenta (53%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.1738, 0.5095, 0.3754 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 32.1738, 0.5095, 0.3754 by changing the saturation by 10% instead.


 32.1738, 0.5095,
0.3754


 32.1738, 0.5095,
0.3754


311.9102, 0.4075,
0.3609


 21.4943, 0.5341,
0.3751


 63.0835, 0.4726,
0.3728

 13.4858, 0.5642,
0.3721


 84.0824, 0.4586,
0.3710

 7.7639, 0.6016,
0.3640


 109.2899, 0.4468,
0.3692

 3.9442, 0.6520,
0.3480

 139.0904, 0.4366,
0.3673

 1.6424, 0.6957,
0.3043

 173.8683, 0.4278,
0.3656

 0.3860, 0.8021,
0.1979

214.0080, 0.4202,

 0.0000, 1.0000,

0.3639

0.0000

259.8938, 0.4135,
0.3623

■ 0.0000, 0.0000,
0.0000

■ 32.1738, 0.5095,
0.3754

■ 32.1738, 0.5095,
0.3754

■ 28.1996, 0.5466,
0.3743

■ 37.0120, 0.4714,
0.3726

■ 25.0291, 0.5789,
0.3686


■ 42.7587, 0.4353,
0.3670


■ 22.6845, 0.6027,
0.3597


■ 49.4612, 0.4029,
0.3599

■ 57.1617, 0.3747,
0.3521

■ 65.9000, 0.3506,
0.3441

 75.7136, 0.3304,
0.3365

 86.6379, 0.3134,
0.3293

 97.2640, 0.3035,
0.3290

Harmonies

Analogous

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



32.1738, 0.4790, 0.3082



32.1738, 0.5095, 0.3754



32.1738, 0.4766, 0.4454

Triad

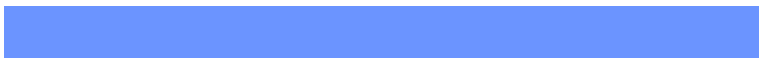
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



32.1738, 0.5095, 0.3754



32.1738, 0.2247, 0.4326



32.1738, 0.2072, 0.1849

Complementary

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



32.1738, 0.5095, 0.3754



45.3064, 0.2165, 0.2639

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.



32.1738, 0.1615, 0.1923



32.1738, 0.5095, 0.3754



32.1738, 0.1678, 0.3180

Square

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



32.1738, 0.5095, 0.3754



32.1738, 0.3110, 0.5105



32.1738, 0.1482, 0.2336



32.1738, 0.2871, 0.2050

Rectangle

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



32.1738, 0.5095, 0.3754



32.1738, 0.4302, 0.4876



32.1738, 0.1482, 0.2336



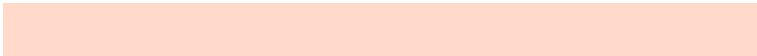
32.1738, 0.1882, 0.1841

Sweetspot

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



32.1755, 0.5095, 0.3754



74.9546, 0.3520, 0.3446



26.8371, 0.3753, 0.2111



15.4273, 0.3584, 0.3468



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.



32.1755, 0.5095, 0.3754



30.4890, 0.5631, 0.3721



61.8661, 0.4328, 0.4576



16.4904, 0.3286, 0.3358



12.6137, 0.5999, 0.3619



1.2126, 0.5741, 0.3823

Inverse Universe

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



45.3064, 0.2165, 0.2639



45.9496, 0.2050, 0.2478



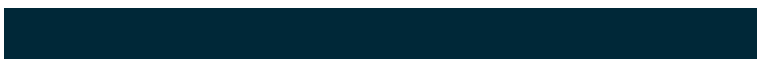
18.2686, 0.1867, 0.1443



17.1254, 0.2981, 0.3221



19.7877, 0.1983, 0.2338



1.8145, 0.2022, 0.2478

Previews

White Background



This preview shows how the Yxy color 32.1738, 0.5095, 0.3754 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 32.1738, 0.5095, 0.3754 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 32.1738, 0.5095, 0.3754

Background



This preview shows how black text looks on a background with the Yxy color 32.1738, 0.5095, 0.3754.



This preview shows how white text looks on a background with the Yxy color 32.1738, 0.5095, 0.3754.

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

32.1738, 0.5095, 0.3754

Protanopia

32.2664, 0.3977, 0.4327

Deuteranopia

32.3140, 0.4408, 0.4337



Tritanopia

32.2454, 0.4612, 0.3211

Trichromacy



Original Color

32.1738, 0.5095, 0.3754

Protanomaly

31.2019, 0.4391, 0.4101

Deuteranomaly

31.8519, 0.4669, 0.4102

Tritanomaly

32.1180, 0.4810, 0.3418

Monochromacy



Original Color

32.1738, 0.5095, 0.3754

Achromatopsia

30.4987, 0.3127, 0.3290

Achromatomaly

29.9130, 0.3822, 0.3549

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.1738, 0.5095, 0.3754 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(240, 119, 71)` looks like.

```
.text, #text, p{  
    color:rgb(240, 119, 71)  
}
```

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(240, 119, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 119, 71) }
```

Border

The CSS property to change the border of an element to Yxy 32.1738, 0.5095, 0.3754 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(240, 119, 71) }
```

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

```
.border{ border-color:rgb(240, 119, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 119, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 119, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 119, 71);  
box-shadow:4px 4px 4px 4px rgb(240, 119,  
71) }
```


Background

The CSS property to change the background color of an element to Yxy 32.1738, 0.5095, 0.3754 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 119, 71) }
```

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

```
.background{ background-color: rgb(240,  
119, 71) }
```

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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