

Converting Colors

$Y_{xy}(32.0080, 0.5257, 0.3764)$

Have a look what the booklet for
Yxy(32.0080, 0.5257, 0.3764)
contains.

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Color

Yxy(32.0217, 0.5250, 0.3764)

Conversions

Conversions Part 1

Format	Color
Hex	F5733E
RGB	245, 115, 62
RGB Percent	96%, 45%, 24%
CMY	0.0391, 0.5491, 0.7567
CMYK	0.00, 0.53, 0.75, 0.04
HSL	17°, 90%, 60%
HSV	17°, 75%, 96%
XYZ	44.6636, 32.0217, 8.3883
YIQ	147.8280, 94.4930, 11.0770

Conversions

Conversions Part 2

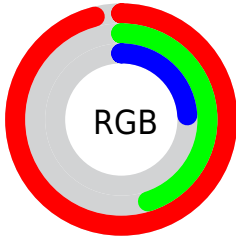
Format	Color
R_{YB}	245, 137, 62
Decimal	16085822
CIE _{Lab}	63.36, 46.65, 51.73
CIE _{LCh}	63, 69.658, 47.954
Yxy	32.0217, 0.5250, 0.3764
Android (android.graphics.Color)	4294275902 (0xFFFF5733E)
YUV	147.8280, -42.3132, 85.2198
Hunter-Lab	56.5877, 41.8582, 30.8226

Details

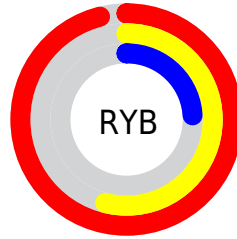
The Yxy color **32.0217, 0.5250, 0.3764** is a dark color, and the websafe version is hex **FF6633**. The color can be described as middle washed orange. A complement of this color would be **45.3484, 0.2123, 0.2578**, and the grayscale version is **29.6897, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.1793, 0.4440, 0.3882**, and **13.4122, 0.5813, 0.3700** is the 20% darker color. If you saturate the color by 10%, you get **28.2098, 0.5603, 0.3734**, and if you desaturate by 10%, it is **36.7082, 0.4871, 0.3751**.

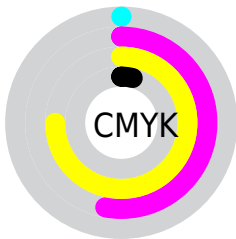
Distribution



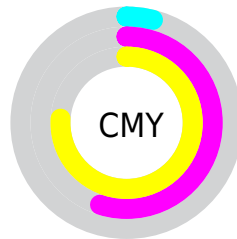
- Red (96%)
- Green (45%)
- Blue (24%)



- Red (96%)
- Yellow (54%)
- Blue (24%)



- Cyan (0%)
- Magenta (53%)
- Yellow (75%)
- Black (4%)





- Cyan (4%)
- Magenta (55%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.0217, 0.5250, 0.3764 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 32.0217, 0.5250, 0.3764 by changing the saturation by 10% instead.

 32.0217, 0.5250,
0.3764


 32.0217, 0.5250,
0.3764


311.2181, 0.4160,
0.3635


 21.3781, 0.5505,
0.3749


 62.8451, 0.4861,
0.3750


 13.4006, 0.5813,
0.3700


 83.7937, 0.4711,
0.3735


 7.7050, 0.6208,
0.3603


 108.9460, 0.4584,
0.3717

 3.9068, 0.6633,
0.3367

 138.6865, 0.4475,
0.3700

 1.6215, 0.7090,
0.2910

 173.3996, 0.4380,
0.3682

 0.3721, 0.8182,
0.1818

 213.4696, 0.4298,

 0.0000, 1.0000,

0.3666

0.0000

259.2810, 0.4225,
0.3650

0.0000, 0.0000,
0.0000

32.0217, 0.5250,
0.3764

32.0217, 0.5250,
0.3764

28.2098, 0.5603,
0.3734

36.7082, 0.4871,
0.3751

25.2073, 0.5893,
0.3657

42.3175, 0.4500,
0.3704


23.9116, 0.6017,
0.3605

48.9001, 0.4160,
0.3637

56.5012, 0.3861,
0.3559

65.1627, 0.3603,
0.3478

 74.9244, 0.3386,
0.3399

 85.8238, 0.3202,
0.3324

 97.6987, 0.3066,
0.3283

 98.1569, 0.3066,
0.3290

Harmonies

Analogous

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



32.0217, 0.4945, 0.3059



32.0217, 0.5250, 0.3764



32.0217, 0.4862, 0.4515

Triad

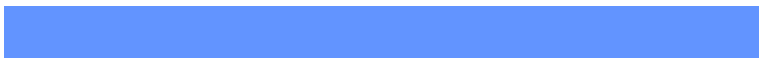
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



32.0217, 0.5250, 0.3764



32.0217, 0.2155, 0.4414



32.0217, 0.2001, 0.1754

Complementary

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



32.0217, 0.5250, 0.3764



45.3484, 0.2123, 0.2578

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.



32.0217, 0.1519, 0.1820



32.0217, 0.5250, 0.3764



32.0217, 0.1565, 0.3140

Square

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



32.0217, 0.5250, 0.3764



32.0217, 0.3070, 0.5283



32.0217, 0.1372, 0.2241



32.0217, 0.2857, 0.1970

Rectangle

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



32.0217, 0.5250, 0.3764



32.0217, 0.4351, 0.4987



32.0217, 0.1372, 0.2241



32.0217, 0.1800, 0.1743

Sweetspot

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



32.0235, 0.5250, 0.3764



74.0484, 0.3542, 0.3457



26.7236, 0.3804, 0.2073



15.2542, 0.3605, 0.3479



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.



32.0235, 0.5250, 0.3764



28.9719, 0.5773, 0.3697



63.6078, 0.4390, 0.4619



17.2636, 0.3286, 0.3359



13.0841, 0.5988, 0.3627



1.3192, 0.5744, 0.3821

Inverse Universe

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



45.3484, 0.2123, 0.2578



43.6501, 0.2017, 0.2407



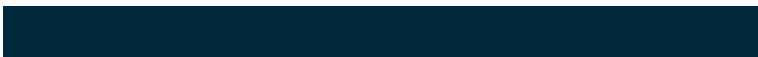
17.0589, 0.1802, 0.1325



17.9002, 0.2980, 0.3220



20.1302, 0.1978, 0.2319



1.9453, 0.2015, 0.2455

Previews

White Background



This preview shows how the Yxy color 32.0217, 0.5250, 0.3764 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 32.0217, 0.5250, 0.3764 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 32.0217, 0.5250, 0.3764

Background



This preview shows how black text looks on a background with the Yxy color 32.0217, 0.5250, 0.3764.



This preview shows how white text looks on a background with the Yxy color 32.0217, 0.5250, 0.3764.

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

32.0217, 0.5250, 0.3764

Protanopia

32.1517, 0.4042, 0.4425

Deuteranopia

32.0306, 0.4498, 0.4408



Tritanopia

32.1547, 0.4746, 0.3224

Trichromacy



Original Color

32.0217, 0.5250, 0.3764

Protanomaly

31.0687, 0.4492, 0.4165

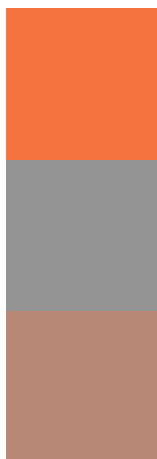
Deuteranomaly

31.4722, 0.4786, 0.4153

Tritanomaly

31.9876, 0.4965, 0.3441

Monochromacy



Original Color

32.0217, 0.5250, 0.3764

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

28.9600, 0.3882, 0.3564

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.0217, 0.5250, 0.3764 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(245, 115, 62)` looks like.

```
.text, #text, p{  
    color:rgb(245, 115, 62)  
}
```

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(245, 115, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 115, 62) }
```

Border

The CSS property to change the border of an element to Yxy 32.0217, 0.5250, 0.3764 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(245, 115, 62) }
```

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

```
.border{ border-color:rgb(245, 115, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 115, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 115, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 115, 62);  
box-shadow:4px 4px 4px 4px rgb(245, 115,  
62) }
```


Background

The CSS property to change the background color of an element to Yxy 32.0217, 0.5250, 0.3764 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 115, 62) }
```

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

```
.background{ background-color: rgb(245,  
115, 62) }
```

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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