

Converting Colors

$Y_{xy}(44.1169, 0.5745, 0.3430)$

Have a look what the booklet for
Yxy(44.1169, 0.5745, 0.3430)
contains.

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Color

Yxy(30.0807, 0.5417, 0.3500)

Conversions

Conversions Part 1

Format	Color
Hex	FF6047
RGB	255, 96, 71
RGB Percent	100%, 38%, 28%
CMY	0.0000, 0.6234, 0.7217
CMYK	0.00, 0.62, 0.72, 0.00
HSL	8°, 100%, 64%
HSV	8°, 72%, 100%
XYZ	46.5563, 30.0807, 9.3078
YIQ	140.6910, 102.7890, 25.9330

Conversions

Conversions Part 2

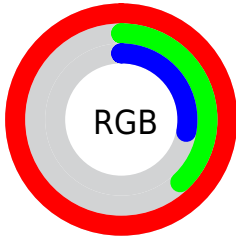
Format	Color
RYB	255, 100, 71
Decimal	16736327
CIELab	61.72, 59.12, 45.90
CIELCh	62, 74.851, 37.826
Yxy	30.0807, 0.5417, 0.3500
Android (android.graphics.Color)	4294926407 (0xFFFF6047)
YUV	140.6910, -34.3577, 100.2490
Hunter-Lab	54.8459, 55.5408, 28.3301

Details

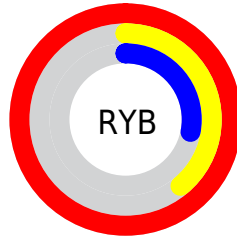
The Yxy color **30.0807, 0.5417, 0.3500** is a dark color, and the websafe version is hex **FF6633**. The color can be described as middle washed orange. A complement of this color would be **65.1128, 0.2238, 0.2978**, and the grayscale version is **26.6179, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.0969, 0.4478, 0.3612**, and **12.3486, 0.6059, 0.3361** is the 20% darker color. If you saturate the color by 10%, you get **26.3481, 0.5827, 0.3476**, and if you desaturate by 10%, it is **35.0798, 0.4973, 0.3499**.

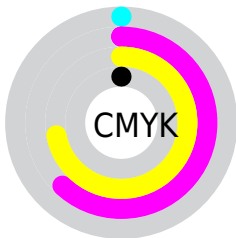
Distribution



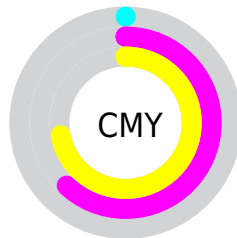
- Red (100%)
- Green (38%)
- Blue (28%)



- Red (100%)
- Yellow (39%)
- Blue (28%)



- Cyan (0%)
- Magenta (62%)
- Yellow (72%)
- Black (0%)





- Cyan (0%)
- Magenta (62%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.0807, 0.5417, 0.3500 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 30.0807, 0.5417, 0.3500 by changing the saturation by 10% instead.


 30.0807, 0.5417,
0.3500


 30.0807, 0.5417,
0.3500


302.2804, 0.4220,
0.3507

 19.8998, 0.5707,
0.3453


 59.7898, 0.4983,
0.3535


 12.3223, 0.6062,
0.3365


 80.0868, 0.4818,
0.3538

 6.9636, 0.6508,
0.3209


 104.5247, 0.4679,
0.3537

 3.4393, 0.7067,
0.2933

 133.4878, 0.4560,
0.3533

 1.3652, 0.7604,
0.2396

 167.3605, 0.4457,
0.3527

 0.1908, 0.9084,
0.0916

206.5272, 0.4368,

 0.0000, 1.0000,

0.3521

0.0000

251.3724, 0.4289,
0.3514

■ 0.0000, 0.0000,
0.0000

■ 30.0807, 0.5417,
0.3500

■ 30.0807, 0.5417,
0.3500

■ 26.3481, 0.5827,
0.3476

■ 35.0798, 0.4973,
0.3499

■ 23.7615, 0.6141,
0.3426

■ 41.4409, 0.4545,
0.3479

■ 22.4435, 0.6300,
0.3380

■ 49.2564, 0.4162,
0.3447

■ 58.6090, 0.3836,
0.3409

■ 69.5750, 0.3565,
0.3371

 82.2259, 0.3343,
0.3333

 96.6287, 0.3162,
0.3297

99.9978, 0.3127,
0.3290

Harmonies

Analogous

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



30.0807, 0.4823, 0.2785



30.0807, 0.5417, 0.3500



30.0807, 0.5191, 0.4284

Triad

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



30.0807, 0.5417, 0.3500



30.0807, 0.2360, 0.4977



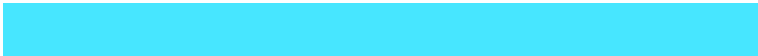
30.0807, 0.1699, 0.1634

Complementary

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



30.0807, 0.5417, 0.3500



65.1128, 0.2238, 0.2978

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.



30.0807, 0.1319, 0.1807



30.0807, 0.5417, 0.3500



30.0807, 0.1600, 0.3565

Square

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



30.0807, 0.5417, 0.3500



30.0807, 0.3392, 0.5553



30.0807, 0.1274, 0.2401



30.0807, 0.2470, 0.1768

Rectangle

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



30.0807, 0.5417, 0.3500



30.0807, 0.4712, 0.4834



30.0807, 0.1274, 0.2401



30.0807, 0.1533, 0.1654

Sweetspot

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



30.0824, 0.5417, 0.3500



69.7814, 0.3561, 0.3370



31.4986, 0.3452, 0.1880



14.2629, 0.3629, 0.3380



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.



30.0824, 0.5417, 0.3500



24.9655, 0.5994, 0.3455



57.4713, 0.4579, 0.4367



18.3857, 0.3291, 0.3323



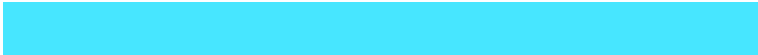
11.8494, 0.6280, 0.3395



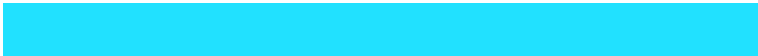
1.2701, 0.6103, 0.3536

Inverse Universe

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



65.1128, 0.2238, 0.2978



61.2837, 0.2160, 0.2906



26.8614, 0.1924, 0.1734



20.0347, 0.2980, 0.3257



30.7581, 0.2126, 0.2852



3.1063, 0.2141, 0.2907

Previews

White Background



This preview shows how the Yxy color 30.0807, 0.5417, 0.3500 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 30.0807, 0.5417, 0.3500 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 30.0807, 0.5417, 0.3500

Background



This preview shows how black text looks on a background with the Yxy color 30.0807, 0.5417, 0.3500.



This preview shows how white text looks on a background with the Yxy color 30.0807, 0.5417, 0.3500.

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

30.0807, 0.5417, 0.3500

Protanopia

30.1087, 0.3882, 0.4196

Deuteranopia

30.1220, 0.4427, 0.4334



Tritanopia

30.1663, 0.5119, 0.3251

Trichromacy



Original Color

30.0807, 0.5417, 0.3500

Protanomaly

28.4448, 0.4473, 0.3911

Deuteranomaly

28.8978, 0.4830, 0.3971

Tritanomaly

30.1657, 0.5232, 0.3348

Monochromacy



Original Color

30.0807, 0.5417, 0.3500

Achromatopsia

26.6356, 0.3127, 0.3290

Achromatomaly

25.8733, 0.3939, 0.3422

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.0807, 0.5417, 0.3500 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, 96, 71)` looks like.

```
.text, #text, p{  
    color:rgb(255, 96, 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(255, 96, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 96, 71) }
```

Border

The CSS property to change the border of an element to Yxy 30.0807, 0.5417, 0.3500 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, 96, 71) }
```

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

```
.border{ border-color:rgb(255, 96, 71) }
```

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

Here you see how a box with a 4 pixel rgb(255, 96, 71) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 96, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 96, 71);  
box-shadow:4px 4px 4px 4px rgb(255, 96,  
71) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 30.0807, 0.5417, 0.3500$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 96, 71) }
```

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

```
.background{ background-color: rgb(255, 96,  
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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