

Converting Colors

$Y_{xy}(36.1934, 0.4723, 0.3584)$

Have a look what the booklet for
Yxy(36.1934, 0.4723, 0.3584)
contains.

Yxy(36.1577, 0.4727, 0.3584)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(36.1577, 0.4727, 0.3584)

Conversions

Conversions Part 1

Format	Color
Hex	F48266
RGB	244, 130, 102
RGB Percent	96%, 51%, 40%
CMY	0.0431, 0.4902, 0.5999
CMYK	0.00, 0.47, 0.58, 0.04
HSL	12°, 87%, 68%
HSV	12°, 58%, 96%
XYZ	47.6890, 36.1577, 17.0397
YIQ	160.8940, 76.9320, 15.4600

Conversions

Conversions Part 2

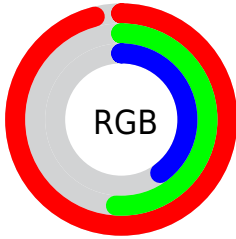
Format	Color
R _Y B	244, 137, 102
Decimal	16024166
CIE Lab	66.64, 41.10, 34.71
CIE LCh	67, 53.795, 40.176
Yxy	36.1577, 0.4727, 0.3584
Android (android.graphics.Color)	4294214246 (0xFFFF48266)
YUV	160.8940, -29.0347, 72.8840
Hunter-Lab	60.1313, 36.3354, 25.2906

Details

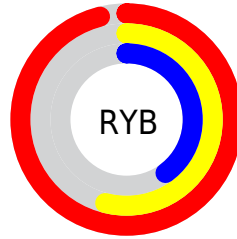
The Yxy color **36.1577, 0.4727, 0.3584** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **58.4709, 0.2327, 0.2934**, and the grayscale version is **35.7014, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.2578, 0.4006, 0.3628**, and **15.7824, 0.5205, 0.3585** is the 20% darker color. If you saturate the color by 10%, you get **31.0196, 0.5144, 0.3603**, and if you desaturate by 10%, it is **42.4340, 0.4339, 0.3545**.

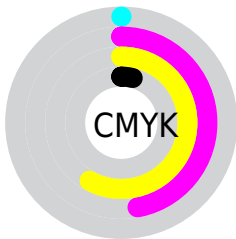
Distribution



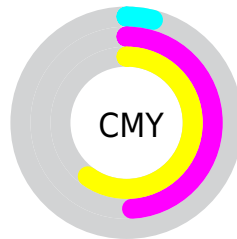
- Red (96%)
- Green (51%)
- Blue (40%)



- Red (96%)
- Yellow (54%)
- Blue (40%)



- Cyan (0%)
- Magenta (47%)
- Yellow (58%)
- Black (4%)





- Cyan (4%)
- Magenta (49%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.1577, 0.4727, 0.3584 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 36.1577, 0.4727, 0.3584 by changing the saturation by 10% instead.


 36.1577, 0.4727,
0.3584


 36.1577, 0.4727,
0.3584


329.6493, 0.3895,
0.3487

 24.5560, 0.4937,
0.3588


 69.2754, 0.4421,
0.3563

 15.7466, 0.5203,
0.3579


 91.5602, 0.4307,
0.3551

 9.3450, 0.5549,
0.3543


 118.1748, 0.4211,
0.3539

 4.9669, 0.6006,
0.3449

 149.5037, 0.4129,
0.3527

 2.2279, 0.6722,
0.3278

185.9312, 0.4058,
0.3516

 0.7351, 0.7340,
0.2660

227.8417, 0.3997,

 0.0000, 1.0000,

0.3506

0.0000

275.6196, 0.3943,
0.3496

0.0000, 0.0000,
0.0000

36.1577, 0.4727,
0.3584

36.1577, 0.4727,
0.3584

31.0196, 0.5144,
0.3603

42.4340, 0.4339,
0.3545

26.9447, 0.5556,
0.3591

49.9062, 0.3998,
0.3494

23.8575, 0.5912,
0.3544

58.6348, 0.3708,
0.3439

21.6672, 0.6168,
0.3467

68.6744, 0.3465,
0.3384

21.3551, 0.6206,
0.3454

80.0764, 0.3265,
0.3331

92.8895, 0.3100,
0.3281

97.9725, 0.3060,
0.3290

Harmonies

Analogous

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



36.1577, 0.4331, 0.3007



36.1577, 0.4727, 0.3584



36.1577, 0.4608, 0.4174

Triad

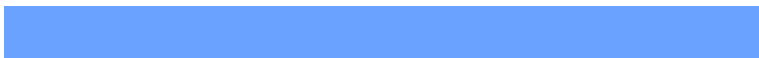
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



36.1577, 0.4727, 0.3584



36.1577, 0.2585, 0.4307



36.1577, 0.2126, 0.2067

Complementary

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



36.1577, 0.4727, 0.3584



58.4709, 0.2327, 0.2934

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.



36.1577, 0.1795, 0.2212



36.1577, 0.4727, 0.3584



36.1577, 0.2017, 0.3439

Square

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



36.1577, 0.4727, 0.3584



36.1577, 0.3342, 0.4782



36.1577, 0.1754, 0.2665



36.1577, 0.2740, 0.2181

Rectangle

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



36.1577, 0.4727, 0.3584



36.1577, 0.4291, 0.4521



36.1577, 0.1754, 0.2665



36.1577, 0.1984, 0.2084

Sweetspot

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



36.1596, 0.4727, 0.3584



77.2856, 0.3440, 0.3377



33.7985, 0.3453, 0.2133



16.0310, 0.3484, 0.3388



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.



36.1596, 0.4727, 0.3584



33.3094, 0.5227, 0.3603



61.0556, 0.4224, 0.4288



17.0114, 0.3289, 0.3337



11.7625, 0.6182, 0.3473



1.1716, 0.5954, 0.3654

Inverse Universe

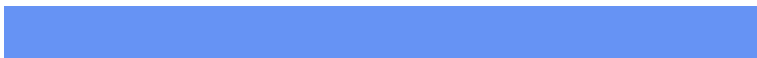
The Inverse Universe completely reimagines the original color for something new.



58.4709, 0.2327, 0.2934



59.8623, 0.2218, 0.2848



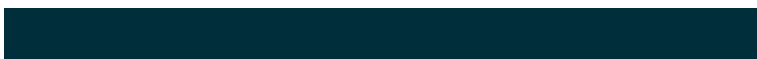
30.2172, 0.2119, 0.1986



18.1701, 0.2980, 0.3242



25.1888, 0.2068, 0.2645



2.3521, 0.2093, 0.2734

Previews

White Background



This preview shows how the Yxy color 36.1577, 0.4727, 0.3584 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 36.1577, 0.4727, 0.3584 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 36.1577, 0.4727, 0.3584

Background



This preview shows how black text looks on a background with the Yxy color 36.1577, 0.4727, 0.3584.



This preview shows how white text looks on a background with the Yxy color 36.1577, 0.4727, 0.3584.

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

36.1577, 0.4727, 0.3584

Protanopia

36.1924, 0.3690, 0.3963

Deuteranopia

36.1761, 0.4127, 0.4045



Tritanopia

36.2638, 0.4395, 0.3198

Trichromacy



Original Color

36.1577, 0.4727, 0.3584

Protanomaly

35.2178, 0.4066, 0.3814

Deuteranomaly

35.7548, 0.4348, 0.3861

Tritanomaly

36.0213, 0.4522, 0.3337

Monochromacy



Original Color

36.1577, 0.4727, 0.3584

Achromatopsia

35.6400, 0.3127, 0.3290

Achromatomaly

34.7825, 0.3659, 0.3428

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.1577, 0.4727, 0.3584 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(244, 130, 102)` looks like.

```
.text, #text, p{  
    color:rgb(244, 130, 102)  
}
```

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(244, 130, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 130, 102) }
```

Border

The CSS property to change the border of an element to Yxy 36.1577, 0.4727, 0.3584 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(244, 130, 102) }
```

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

```
.border{ border-color:rgb(244, 130, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 130, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 130, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 130, 102);  
box-shadow:4px 4px 4px 4px rgb(244, 130,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 36.1577, 0.4727, 0.3584 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 130, 102) }
```

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

```
.background{ background-color: rgb(244,  
130, 102) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor