

Converting Colors

$Yxy(36.0225, 0.5029, 0.3944)$

Have a look what the booklet for
Yxy(36.0225, 0.5029, 0.3944)
contains.

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Color

Yxy(36.0225, 0.5029, 0.3944)

Conversions

Conversions Part 1

Format	Color
Hex	F28540
RGB	242, 133, 64
RGB Percent	95%, 52%, 25%
CMY	0.0510, 0.4784, 0.7491
CMYK	0.00, 0.45, 0.74, 0.05
HSL	23°, 87%, 60%
HSV	23°, 74%, 95%
XYZ	45.9323, 36.0225, 9.3801
YIQ	157.7250, 87.1130, 1.6490

Conversions

Conversions Part 2

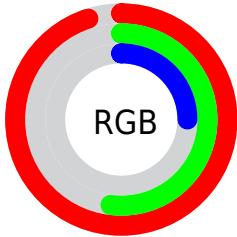
Format	Color
R_{YB}	242, 177, 64
Decimal	15893824
CIE _{Lab}	66.54, 36.61, 53.97
CIE _{LCh}	67, 65.218, 55.853
Yxy	36.0225, 0.5029, 0.3944
Android (android.graphics.Color)	4294083904 (0xFFFF28540)
YUV	157.7250, -46.2064, 73.9092
Hunter-Lab	60.0187, 31.5732, 32.7469

Details

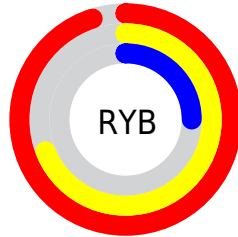
The Yxy color **36.0225, 0.5029, 0.3944** is a light color, and the websafe version is hex **FF9966**. The color can be described as light washed orange. A complement of this color would be **37.3832, 0.2068, 0.2337**, and the grayscale version is **34.2451, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.0385, 0.4304, 0.4022**, and **15.7576, 0.5501, 0.3960** is the 20% darker color. If you saturate the color by 10%, you get **32.0307, 0.5343, 0.3935**, and if you desaturate by 10%, it is **40.7100, 0.4697, 0.3906**.

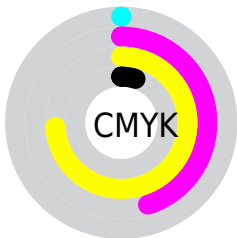
Distribution



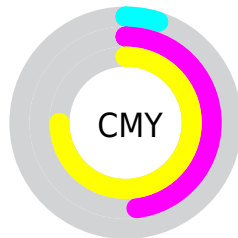
- Red (95%)
- Green (52%)
- Blue (25%)



- Red (95%)
- Yellow (69%)
- Blue (25%)



- Cyan (0%)
- Magenta (45%)
- Yellow (74%)
- Black (5%)





- Cyan (5%)
- Magenta (48%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.0225, 0.5029, 0.3944 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 36.0225, 0.5029, 0.3944 by changing the saturation by 10% instead.


 36.0225, 0.5029,
0.3944


 36.0225, 0.5029,
0.3944


329.0589, 0.4074,
0.3711

 24.4516, 0.5247,
0.3961

 69.0668, 0.4692,
0.3888


 15.6689, 0.5508,
0.3955


 91.3089, 0.4562,
0.3858

 9.2902, 0.5825,
0.3910


 117.8770, 0.4450,
0.3829

 4.9309, 0.6214,
0.3786

 149.1553, 0.4354,
0.3802

 2.2068, 0.6559,
0.3441

 185.5282, 0.4270,
0.3776

 0.7237, 0.7154,
0.2846

227.3802, 0.4196,

 0.0000, 1.0000,

0.3753

0.0000

275.0956, 0.4131,
0.3731

■ 0.0000, 0.0000,
0.0000

■ 36.0225, 0.5029,
0.3944

■ 36.0225, 0.5029,
0.3944

■ 32.0307, 0.5343,
0.3935

■ 40.7100, 0.4697,
0.3906

■ 28.6883, 0.5613,
0.3871

■ 46.1235, 0.4373,
0.3834


■ 26.8528, 0.5760,
0.3809


■ 52.2982, 0.4071,
0.3740

■ 59.2647, 0.3800,
0.3636

■ 67.0519, 0.3563,
0.3529

 75.6871, 0.3359,
0.3424

 85.1962, 0.3183,
0.3324

 95.4359, 0.3048,
0.3256

 97.6184, 0.3048,
0.3290

Harmonies

Analogous

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



36.0225, 0.4910, 0.3267



36.0225, 0.5029, 0.3944



36.0225, 0.4571, 0.4623

Triad

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



36.0225, 0.5029, 0.3944



36.0225, 0.2072, 0.3996



36.0225, 0.2274, 0.1899

Complementary

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



36.0225, 0.5029, 0.3944



37.3832, 0.2068, 0.2337

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.



36.0225, 0.1729, 0.1893



36.0225, 0.5029, 0.3944



36.0225, 0.1611, 0.2912

Square

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



36.0225, 0.5029, 0.3944



36.0225, 0.2863, 0.4935



36.0225, 0.1510, 0.2201



36.0225, 0.3146, 0.2166

Rectangle

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



36.0225, 0.5029, 0.3944



36.0225, 0.4063, 0.4987



36.0225, 0.1510, 0.2201



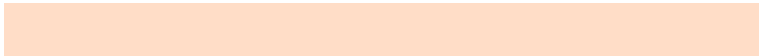
36.0225, 0.2054, 0.1867

Sweetspot

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



36.0244, 0.5029, 0.3944



76.9071, 0.3531, 0.3513



25.5903, 0.4038, 0.2243



15.9226, 0.3590, 0.3542



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.



36.0244, 0.5029, 0.3944



34.2195, 0.5477, 0.3912



71.0867, 0.4237, 0.4746



16.7637, 0.3284, 0.3382



14.6706, 0.5730, 0.3832



1.4079, 0.5486, 0.4026

Inverse Universe

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



37.3832, 0.2068, 0.2337



35.5106, 0.1942, 0.2115



13.9591, 0.1768, 0.1155



16.8400, 0.2980, 0.3196



15.1249, 0.1880, 0.1968



1.4507, 0.1934, 0.2160

Previews

White Background



This preview shows how the Yxy color 36.0225, 0.5029, 0.3944 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 36.0225, 0.5029, 0.3944 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 36.0225, 0.5029, 0.3944

Background



This preview shows how black text looks on a background with the Yxy color 36.0225, 0.5029, 0.3944.



This preview shows how white text looks on a background with the Yxy color 36.0225, 0.5029, 0.3944.

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

36.0225, 0.5029, 0.3944

Protanopia

36.0250, 0.4093, 0.4476

Deuteranopia

36.1132, 0.4501, 0.4399



Tritanopia

35.9813, 0.4412, 0.3198

Trichromacy



Original Color

36.0225, 0.5029, 0.3944

Protanomaly

35.2719, 0.4448, 0.4263

Deuteranomaly

35.6357, 0.4705, 0.4222

Tritanomaly

35.9549, 0.4675, 0.3492

Monochromacy



Original Color

36.0225, 0.5029, 0.3944

Achromatopsia

34.1914, 0.3127, 0.3290

Achromatomaly

33.7689, 0.3809, 0.3636

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.0225, 0.5029, 0.3944 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(242, 133, 64)` looks like.

```
.text, #text, p{  
    color:rgb(242, 133, 64)  
}
```

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(242, 133, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 133, 64) }
```

Border

The CSS property to change the border of an element to Yxy 36.0225, 0.5029, 0.3944 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(242, 133, 64) }
```

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

```
.border{ border-color:rgb(242, 133, 64) }
```

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

Here you see how a box with a 4 pixel rgb(242, 133, 64) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 133, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 133, 64);  
box-shadow:4px 4px 4px 4px rgb(242, 133,  
64) }
```


Background

The CSS property to change the background color of an element to Yxy 36.0225, 0.5029, 0.3944 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 133, 64) }
```

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

```
.background{ background-color: rgb(242,  
133, 64) }
```

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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