

Converting Colors

$Y_{xy}(28.6796, 0.5295, 0.3632)$

Have a look what the booklet for
Yxy(28.6796, 0.5295, 0.3632)
contains.

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Color

Yxy(28.6191, 0.5296, 0.3629)

Conversions

Conversions Part 1

Format	Color
Hex	F06742
RGB	240, 103, 66
RGB Percent	94%, 40%, 26%
CMY	0.0589, 0.5960, 0.7412
CMYK	0.00, 0.57, 0.72, 0.06
HSL	13°, 85%, 60%
HSV	13°, 72%, 94%
XYZ	41.7654, 28.6191, 8.4777
YIQ	139.7450, 93.5290, 17.5370

Conversions

Conversions Part 2

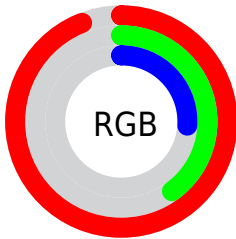
Format	Color
R_{YB}	240, 113, 66
Decimal	15755074
CIE _{Lab}	60.44, 50.63, 46.40
CIE _{LCh}	60, 68.673, 42.504
Yxy	28.6191, 0.5296, 0.3629
Android (android.graphics.Color)	4293945154 (0xFFFF06742)
YUV	139.7450, -36.3563, 87.9236
Hunter-Lab	53.4968, 45.7371, 28.0520

Details

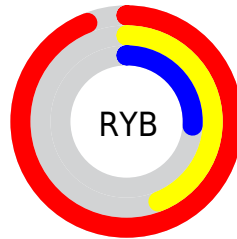
The Yxy color **28.6191, 0.5296, 0.3629** is a dark color, and the websafe version is hex **FF6633**. The color can be described as middle washed orange. A complement of this color would be **50.1470, 0.2191, 0.2794**, and the grayscale version is **26.2407, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.9747, 0.4486, 0.3722**, and **11.5047, 0.5923, 0.3531** is the 20% darker color. If you saturate the color by 10%, you get **25.0504, 0.5686, 0.3603**, and if you desaturate by 10%, it is **33.1587, 0.4883, 0.3620**.

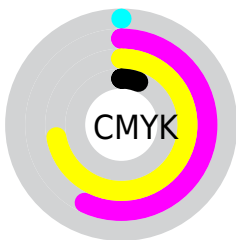
Distribution



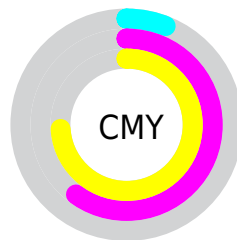
- Red (94%)
- Green (40%)
- Blue (26%)



- Red (94%)
- Yellow (44%)
- Blue (26%)



- Cyan (0%)
- Magenta (57%)
- Yellow (72%)
- Black (6%)





- Cyan (6%)
- Magenta (60%)
- Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.6191, 0.5296, 0.3629 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 28.6191, 0.5296, 0.3629 by changing the saturation by 10% instead.

 28.6191, 0.5296,
0.3629


 28.6191, 0.5296,
0.3629

295.4135, 0.4154,
0.3562


 18.7929, 0.5575,
0.3599


 57.4714, 0.4879,
0.3637


 11.5207, 0.5918,
0.3531


 77.2662, 0.4722,
0.3629

 6.4182, 0.6368,
0.3406


 101.1526, 0.4589,
0.3619

 3.1010, 0.6873,
0.3127

 129.5151, 0.4476,
0.3608

 1.1847, 0.7411,
0.2589

 162.7381, 0.4379,
0.3596

 0.0492, 0.9652,
0.0348

201.2059, 0.4294,

 0.0000, 1.0000,

0.3584

0.0000

245.3029, 0.4219,
0.3573

■ 0.0000, 0.0000,
0.0000

■ 28.6191, 0.5296,
0.3629

■ 28.6191, 0.5296,
0.3629

■ 25.0504, 0.5686,
0.3603

■ 33.1587, 0.4883,
0.3620

■ 22.3740, 0.6003,
0.3540


■ 38.7303, 0.4486,
0.3585

■ 20.8954, 0.6177,
0.3477

■ 45.3950, 0.4129,
0.3534

■ 53.2081, 0.3821,
0.3476

■ 62.2207, 0.3562,
0.3416

 72.4809, 0.3346,
0.3358

 84.0343, 0.3167,
0.3303

 96.7297, 0.3035,
0.3282

 97.2627, 0.3035,
0.3290

Harmonies

Analogous

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



28.6191, 0.4848, 0.2926



28.6191, 0.5296, 0.3629



28.6191, 0.5004, 0.4388

Triad

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



28.6191, 0.5296, 0.3629



28.6191, 0.2282, 0.4669



28.6191, 0.1863, 0.1717

Complementary

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



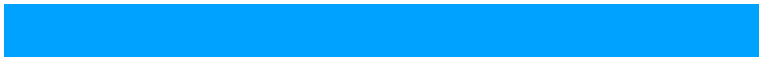
28.6191, 0.5296, 0.3629



50.1470, 0.2191, 0.2794

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.



28.6191, 0.1440, 0.1840



28.6191, 0.5296, 0.3629



28.6191, 0.1611, 0.3355

Square

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



28.6191, 0.5296, 0.3629



28.6191, 0.3246, 0.5384



28.6191, 0.1350, 0.2343



28.6191, 0.2663, 0.1887

Rectangle

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



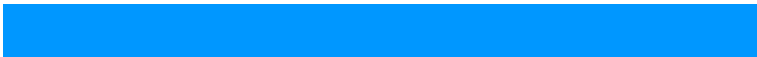
28.6191, 0.5296, 0.3629



28.6191, 0.4523, 0.4891



28.6191, 0.1350, 0.2343



28.6191, 0.1683, 0.1723

Sweetspot

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



28.6207, 0.5296, 0.3629



71.8857, 0.3552, 0.3414



26.8368, 0.3591, 0.1970



14.7507, 0.3617, 0.3430



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.



28.6207, 0.5296, 0.3629



27.1592, 0.5850, 0.3577



54.7936, 0.4478, 0.4473



16.3038, 0.3288, 0.3341



11.5961, 0.6152, 0.3497



1.1050, 0.5906, 0.3693

Inverse Universe

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



50.1470, 0.2191, 0.2794



52.5605, 0.2098, 0.2677



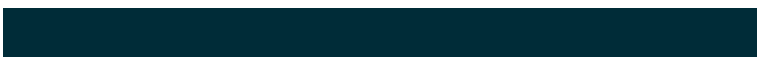
20.4528, 0.1883, 0.1573



17.3248, 0.2981, 0.3239



23.5540, 0.2053, 0.2591



2.1002, 0.2082, 0.2693

Previews

White Background



This preview shows how the Yxy color 28.6191, 0.5296, 0.3629 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 28.6191, 0.5296, 0.3629 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 × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 28.6191, 0.5296, 0.3629

Background



This preview shows how black text looks on a background with the Yxy color 28.6191, 0.5296, 0.3629.



This preview shows how white text looks on a background with the Yxy color 28.6191, 0.5296, 0.3629.

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

28.6191, 0.5296, 0.3629

Protanopia

28.7140, 0.3951, 0.4294

Deuteranopia

28.7158, 0.4437, 0.4351



Tritanopia

28.6325, 0.4905, 0.3226

Trichromacy



Original Color

28.6191, 0.5296, 0.3629

Protanomaly

27.4204, 0.4467, 0.4018

Deuteranomaly

27.9551, 0.4775, 0.4054

Tritanomaly

28.5704, 0.5059, 0.3383

Monochromacy



Original Color

28.6191, 0.5296, 0.3629

Achromatopsia

26.2251, 0.3127, 0.3290

Achromatomaly

25.6011, 0.3893, 0.3500

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.6191, 0.5296, 0.3629 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, 103, 66)` looks like.

```
.text, #text, p{  
    color:rgb(240, 103, 66)  
}
```

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, 103, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 103, 66) }
```

Border

The CSS property to change the border of an element to Yxy 28.6191, 0.5296, 0.3629 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, 103, 66) }
```

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

```
.border{ border-color:rgb(240, 103, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 103, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 103, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 103, 66);  
box-shadow:4px 4px 4px 4px rgb(240, 103,  
66) }
```


Background

The CSS property to change the background color of an element to Yxy 28.6191, 0.5296, 0.3629 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 103, 66) }
```

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

```
.background{ background-color: rgb(240,  
103, 66) }
```

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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