

Converting Colors

$Yxy(28.1233, 0.5337, 0.3597)$

Have a look what the booklet for
Yxy(28.1233, 0.5337, 0.3597)
contains.

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Color

Yxy(28.2085, 0.5332, 0.3597)

Conversions

Conversions Part 1

Format	Color
Hex	F16442
RGB	241, 100, 66
RGB Percent	95%, 39%, 26%
CMY	0.0549, 0.6078, 0.7411
CMYK	0.00, 0.58, 0.73, 0.05
HSL	12°, 86%, 60%
HSV	12°, 73%, 95%
XYZ	41.8148, 28.2085, 8.3990
YIQ	138.2830, 94.9500, 19.3180

Conversions

Conversions Part 2

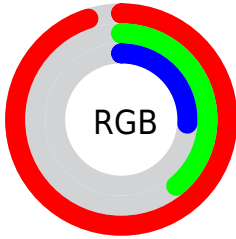
Format	Color
R_{YB}	241, 108, 66
Decimal	15819842
CIE _{Lab}	60.08, 52.36, 46.03
CIE _{LCh}	60, 69.716, 41.318
Yxy	28.2085, 0.5332, 0.3597
Android (android.graphics.Color)	4294009922 (0xFFFF16442)
YUV	138.2830, -35.6355, 90.0828
Hunter-Lab	53.1117, 47.5874, 27.8021

Details

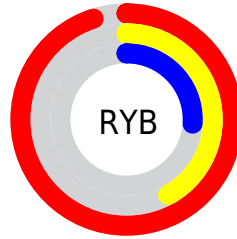
The Yxy color **28.2085, 0.5332, 0.3597** is a dark color, and the websafe version is hex **FF6633**. The color can be described as middle washed orange. A complement of this color would be **52.1365, 0.2201, 0.2838**, and the grayscale version is **25.6441, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.9636, 0.4507, 0.3691**, and **11.3134, 0.5968, 0.3484** is the 20% darker color. If you saturate the color by 10%, you get **24.6911, 0.5727, 0.3570**, and if you desaturate by 10%, it is **32.7364, 0.4911, 0.3591**.

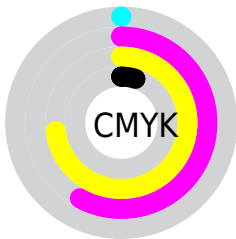
Distribution



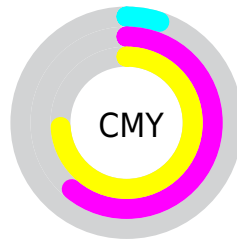
- Red (95%)
- Green (39%)
- Blue (26%)



- Red (95%)
- Yellow (42%)
- Blue (26%)



- Cyan (0%)
- Magenta (58%)
- Yellow (73%)
- Black (5%)




- Cyan (5%)
- Magenta (61%)
- Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.2085, 0.5332, 0.3597 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 28.2085, 0.5332, 0.3597 by changing the saturation by 10% instead.

 28.2085, 0.5332,
0.3597


 28.2085, 0.5332,
0.3597

293.4619, 0.4168,
0.3548


 18.4829, 0.5617,
0.3562


 56.8171, 0.4907,
0.3612


 11.2972, 0.5968,
0.3486


 76.4690, 0.4747,
0.3607

 6.2671, 0.6430,
0.3353


 100.1983, 0.4611,
0.3599

 3.0082, 0.6942,
0.3058

 128.3896, 0.4496,
0.3590

 1.1360, 0.7496,
0.2504

 161.4272, 0.4397,
0.3579

 0.0085, 0.9938,
0.0062

199.6955, 0.4310,

 0.0000, 1.0000,

0.3569

0.0000

243.5789, 0.4235,
0.3558

■ 0.0000, 0.0000,
0.0000

■ 28.2085, 0.5332,
0.3597

■ 28.2085, 0.5332,
0.3597

■ 24.6911, 0.5727,
0.3570

■ 32.7364, 0.4911,
0.3591

■ 22.0990, 0.6043,
0.3509

■ 38.3411, 0.4506,
0.3560

■ 20.7175, 0.6210,
0.3451


■ 45.0888, 0.4143,
0.3514

■ 53.0387, 0.3830,
0.3461

■ 62.2460, 0.3567,
0.3406

 72.7624, 0.3349,
0.3353

 84.6367, 0.3169,
0.3302

 97.4392, 0.3041,
0.3290

Harmonies

Analogous

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



28.2085, 0.4848, 0.2890



28.2085, 0.5332, 0.3597



28.2085, 0.5054, 0.4364

Triad

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



28.2085, 0.5332, 0.3597



28.2085, 0.2298, 0.4748



28.2085, 0.1819, 0.1693

Complementary

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



28.2085, 0.5332, 0.3597



52.1365, 0.2201, 0.2838

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.



28.2085, 0.1406, 0.1828



28.2085, 0.5332, 0.3597



28.2085, 0.1604, 0.3404

Square

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



28.2085, 0.5332, 0.3597



28.2085, 0.3282, 0.5435



28.2085, 0.1328, 0.2354



28.2085, 0.2614, 0.1855

Rectangle

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



28.2085, 0.5332, 0.3597



28.2085, 0.4572, 0.4881



28.2085, 0.1328, 0.2354



28.2085, 0.1642, 0.1702

Sweetspot

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



28.2101, 0.5332, 0.3597



71.3723, 0.3554, 0.3403



27.1980, 0.3556, 0.1945



14.6315, 0.3620, 0.3418



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.



28.2101, 0.5332, 0.3597



26.5735, 0.5887, 0.3546



54.0364, 0.4506, 0.4449



16.2558, 0.3288, 0.3337



11.3826, 0.6186, 0.3470



1.0806, 0.5946, 0.3661

Inverse Universe

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



52.1365, 0.2201, 0.2838



54.5846, 0.2113, 0.2733



21.2895, 0.1891, 0.1609



17.3766, 0.2981, 0.3243



24.6031, 0.2071, 0.2655



2.1787, 0.2097, 0.2748

Previews

White Background



This preview shows how the Yxy color 28.2085, 0.5332, 0.3597 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 28.2085, 0.5332, 0.3597 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 28.2085, 0.5332, 0.3597

Background



This preview shows how black text looks on a background with the Yxy color 28.2085, 0.5332, 0.3597.



This preview shows how white text looks on a background with the Yxy color 28.2085, 0.5332, 0.3597.

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

28.2085, 0.5332, 0.3597

Protanopia

28.3185, 0.3938, 0.4271

Deuteranopia

28.2961, 0.4444, 0.4354



Tritanopia

28.3797, 0.4966, 0.3237

Trichromacy



Original Color

28.2085, 0.5332, 0.3597

Protanomaly

27.0411, 0.4455, 0.3997

Deuteranomaly

27.4381, 0.4806, 0.4039

Tritanomaly

28.1479, 0.5115, 0.3372

Monochromacy



Original Color

28.2085, 0.5332, 0.3597

Achromatopsia

25.4152, 0.3127, 0.3290

Achromatomaly

24.6991, 0.3909, 0.3472

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.2085, 0.5332, 0.3597 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(241, 100, 66)` looks like.

```
.text, #text, p{  
    color:rgb(241, 100, 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(241, 100, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 100, 66) }
```

Border

The CSS property to change the border of an element to Yxy 28.2085, 0.5332, 0.3597 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(241, 100, 66) }
```

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

```
.border{ border-color:rgb(241, 100, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(241, 100, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 100, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 100, 66);  
box-shadow:4px 4px 4px 4px rgb(241, 100,  
66) }
```


Background

The CSS property to change the background color of an element to Yxy 28.2085, 0.5332, 0.3597 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 100, 66) }
```

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

```
.background{ background-color: rgb(241,  
100, 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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