

Converting Colors

$Y_{xy}(30.8365, 0.5370, 0.3525)$

Have a look what the booklet for
Yxy(30.8365, 0.5370, 0.3525)
contains.

Yxy(30.8422, 0.5373, 0.3528)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(30.8422, 0.5373, 0.3528)

Conversions

Conversions Part 1

Format	Color
Hex	FF6448
RGB	255, 100, 72
RGB Percent	100%, 39%, 28%
CMY	0.0000, 0.6079, 0.7177
CMYK	0.00, 0.61, 0.72, 0.00
HSL	9°, 100%, 64%
HSV	9°, 72%, 100%
XYZ	46.9714, 30.8422, 9.6076
YIQ	143.1530, 101.3680, 24.1520

Conversions

Conversions Part 2

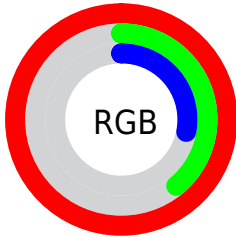
Format	Color
RYB	255, 105, 72
Decimal	16737352
CIELab	62.37, 57.49, 46.09
CIELCh	62, 73.682, 38.720
Yxy	30.8422, 0.5373, 0.3528
Android (android.graphics.Color)	4294927432 (0xFFFF6448)
YUV	143.1530, -35.0784, 98.0898
Hunter-Lab	55.5358, 53.7854, 28.6180

Details

The Yxy color **30.8422, 0.5373, 0.3528** 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 **63.5377, 0.2230, 0.2941**, and the grayscale version is **27.6425, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.4421, 0.4443, 0.3643**, and **12.7324, 0.6007, 0.3406** is the 20% darker color. If you saturate the color by 10%, you get **26.9662, 0.5782, 0.3504**, and if you desaturate by 10%, it is **35.9514, 0.4934, 0.3525**.

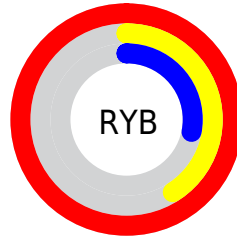
Distribution



Red (100%)

Green (39%)

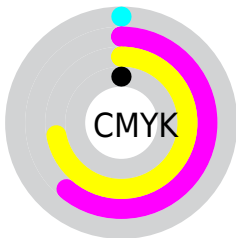
Blue (28%)



Red (100%)

Yellow (41%)

Blue (28%)

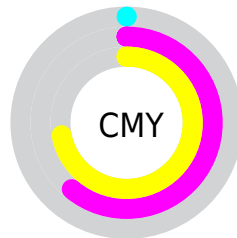


Cyan (0%)

Magenta (61%)

Yellow (72%)

Black (0%)



Cyan (0%)


Magenta (61%)


Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 30.8422, 0.5373, 0.3528 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 30.8422, 0.5373, 0.3528 by changing the saturation by 10% instead.

 30.8422, 0.5373,
0.3528


 30.8422, 0.5373,
0.3528


305.8107, 0.4202,
0.3518

 20.4787, 0.5656,
0.3487


 60.9915, 0.4949,
0.3556

 12.7435, 0.6003,
0.3407


 81.5462, 0.4788,
0.3556


 7.2522, 0.6434,
0.3260


 106.2667, 0.4652,
0.3553

 3.6203, 0.6993,
0.3007

 135.5374, 0.4535,
0.3547

 1.4635, 0.7512,
0.2488

 169.7428, 0.4435,
0.3540

 0.2628, 0.8808,
0.1192

209.2672, 0.4347,

 0.0000, 1.0000,

0.3533

0.0000

254.4950, 0.4270,
0.3525

■ 0.0000, 0.0000,
0.0000

■ 30.8422, 0.5373,
0.3528

■ 30.8422, 0.5373,
0.3528

■ 26.9662, 0.5782,
0.3504

■ 35.9514, 0.4934,
0.3525

■ 24.2202, 0.6103,
0.3451


■ 42.3923, 0.4514,
0.3501

■ 22.7117, 0.6278,
0.3397

■ 50.2484, 0.4139,
0.3464

■ 59.5977, 0.3820,
0.3422

■ 70.5124, 0.3553,
0.3379

 83.0599, 0.3334,
0.3336

 97.3037, 0.3155,
0.3297

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



30.8422, 0.4812, 0.2819



30.8422, 0.5373, 0.3528



30.8422, 0.5140, 0.4303

Triad

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



30.8422, 0.5373, 0.3528



30.8422, 0.2354, 0.4896



30.8422, 0.1742, 0.1662

Complementary

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



30.8422, 0.5373, 0.3528



63.5377, 0.2230, 0.2941

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.



30.8422, 0.1355, 0.1826



30.8422, 0.5373, 0.3528



30.8422, 0.1615, 0.3520

Square

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



30.8422, 0.5373, 0.3528



30.8422, 0.3366, 0.5499



30.8422, 0.1303, 0.2398



30.8422, 0.2514, 0.1802

Rectangle

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



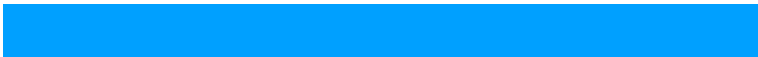
30.8422, 0.5373, 0.3528



30.8422, 0.4666, 0.4838



30.8422, 0.1303, 0.2398



30.8422, 0.1573, 0.1680

Sweetspot

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



30.8409, 0.5373, 0.3528



70.2386, 0.3559, 0.3380



31.4707, 0.3483, 0.1906



14.3687, 0.3626, 0.3391



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.



30.8409, 0.5373, 0.3528



25.6725, 0.5932, 0.3485



58.9671, 0.4545, 0.4391



18.4355, 0.3291, 0.3327



12.0002, 0.6257, 0.3414



1.2933, 0.6070, 0.3562

Inverse Universe

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



63.5377, 0.2230, 0.2941



59.5410, 0.2151, 0.2862



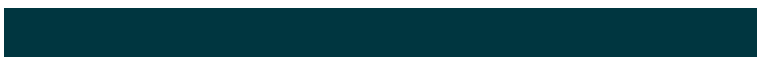
26.2194, 0.1919, 0.1704



19.9800, 0.2980, 0.3253



29.6104, 0.2110, 0.2795



3.0054, 0.2127, 0.2857

Previews

White Background



This preview shows how the Yxy color 30.8422, 0.5373, 0.3528 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 30.8422, 0.5373, 0.3528 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 30.8422, 0.5373, 0.3528

Background



This preview shows how black text looks on a background with the Yxy color 30.8422, 0.5373, 0.3528.



This preview shows how white text looks on a background with the Yxy color 30.8422, 0.5373, 0.3528.

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

30.8422, 0.5373, 0.3528

Protanopia

30.9615, 0.3892, 0.4214

Deuteranopia

30.9968, 0.4413, 0.4328



Tritanopia

30.7887, 0.5049, 0.3241

Trichromacy



Original Color

30.8422, 0.5373, 0.3528

Protanomaly

29.1328, 0.4455, 0.3921

Deuteranomaly

29.8287, 0.4799, 0.3993

Tritanomaly

30.7681, 0.5175, 0.3349

Monochromacy



Original Color

30.8422, 0.5373, 0.3528

Achromatopsia

27.4677, 0.3127, 0.3290

Achromatomaly

26.6534, 0.3940, 0.3435

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.8422, 0.5373, 0.3528 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, 100, 72)` looks like.

```
.text, #text, p{  
    color:rgb(255, 100, 72)  
}
```

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, 100, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 100, 72) }
```

Border

The CSS property to change the border of an element to Yxy 30.8422, 0.5373, 0.3528 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, 100, 72) }
```

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

```
.border{ border-color:rgb(255, 100, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 100, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 100, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 100, 72);  
box-shadow:4px 4px 4px 4px rgb(255, 100,  
72) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 30.8422, 0.5373, 0.3528$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 100, 72) }
```

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

```
.background{ background-color: rgb(255,  
100, 72) }
```

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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