

Converting Colors

$Y_{xy}(46.3079, 0.5515, 0.3300)$

Have a look what the booklet for
Yxy(46.3079, 0.5515, 0.3300)
contains.

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Color

Yxy(31.0845, 0.5084, 0.3296)

Conversions

Conversions Part 1

Format	Color
Hex	FF6363
RGB	255, 99, 99
RGB Percent	100%, 39%, 39%
CMY	0.0001, 0.6116, 0.6117
CMYK	0.00, 0.61, 0.61, 0.00
HSL	0°, 100%, 69%
HSV	0°, 61%, 100%
XYZ	47.9471, 31.0845, 15.2782
YIQ	145.6440, 92.9760, 33.0720

Conversions

Conversions Part 2

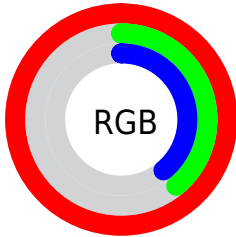
Format	Color
R _Y B	255, 99, 99
Decimal	16737123
CIE Lab	62.58, 59.32, 31.55
CIE LCh	63, 67.193, 28.007
Yxy	31.0845, 0.5084, 0.3296
Android (android.graphics.Color)	4294927203 (0xFFFF6363)
YUV	145.6440, -22.9955, 95.9052
Hunter-Lab	55.7535, 55.9385, 22.7801

Details

The Yxy color **31.0845, 0.5084, 0.3296** is a light color, and the websafe version is hex **FF6666**. A complement of this color would be **81.3553, 0.2381, 0.3287**, and the grayscale version is **28.6636, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.9047, 0.4170, 0.3346**, and **12.9054, 0.5698, 0.3186** is the 20% darker color. If you saturate the color by 10%, you get **26.5795, 0.5566, 0.3297**, and if you desaturate by 10%, it is **37.2708, 0.4612, 0.3295**.

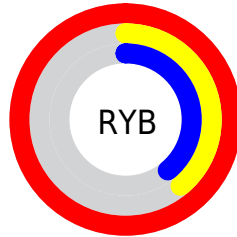
Distribution



Red (100%)

Green (39%)

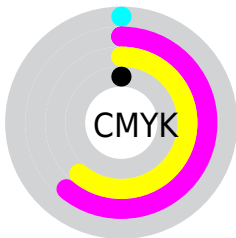
Blue (39%)



Red (100%)

Yellow (39%)

Blue (39%)

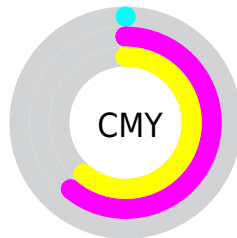


Cyan (0%)

Magenta (61%)

Yellow (61%)

Black (0%)



Cyan (0%)


Magenta (61%)

Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.0845, 0.5084, 0.3296 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 31.0845, 0.5084, 0.3296 by changing the saturation by 10% instead.


 31.0845, 0.5084,
0.3296


 31.0845, 0.5084,
0.3296


306.9274, 0.4044,
0.3362


 20.6632, 0.5352,
0.3253


 61.3731, 0.4697,
0.3339


 12.8780, 0.5694,
0.3181


 82.0092, 0.4554,
0.3350

 7.3446, 0.6139,
0.3056


 106.8189, 0.4434,
0.3356

 3.6785, 0.6755,
0.2846

 136.1868, 0.4332,
0.3360

 1.4954, 0.7556,
0.2444

170.4972, 0.4245,
0.3362

 0.2855, 0.8783,
0.1217

210.1345, 0.4169,

 0.0000, 1.0000,

0.3363

0.0000

255.4831, 0.4103,
0.3363

■ 0.0000, 0.0000,
0.0000

■ 31.0845, 0.5084,
0.3296

■ 31.0845, 0.5084,
0.3296

■ 26.5795, 0.5566,
0.3297

■ 37.2708, 0.4612,
0.3295

■ 23.5865, 0.5989,
0.3299

■ 45.2760, 0.4193,
0.3293

■ 21.9103, 0.6276,
0.3299

■ 55.2294, 0.3842,
0.3292

■ 21.2561, 0.6401,
0.3300

■ 67.2473, 0.3556,
0.3291

■ 81.4365, 0.3328,
0.3291

97.8969, 0.3146,
0.3290

99.9950, 0.3127,
0.3290

Harmonies

Analogous

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



31.0845, 0.4325, 0.2645



31.0845, 0.5084, 0.3296



31.0845, 0.5142, 0.4009

Triad

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



31.0845, 0.5084, 0.3296



31.0845, 0.2758, 0.5042



31.0845, 0.1670, 0.1794

Complementary

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



31.0845, 0.5084, 0.3296



81.3553, 0.2381, 0.3287

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.



31.0845, 0.1418, 0.2082



31.0845, 0.5084, 0.3296



31.0845, 0.1941, 0.3963

Square

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



31.0845, 0.5084, 0.3296



31.0845, 0.3726, 0.5257



31.0845, 0.1493, 0.2798



31.0845, 0.2266, 0.1825

Rectangle

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



31.0845, 0.5084, 0.3296



31.0845, 0.4830, 0.4501



31.0845, 0.1493, 0.2798



31.0845, 0.1550, 0.1850

Sweetspot

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



31.0862, 0.5084, 0.3296



71.5228, 0.3478, 0.3291



37.3979, 0.3194, 0.1874



14.4702, 0.3550, 0.3291



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.



31.0862, 0.5084, 0.3296



25.9300, 0.5651, 0.3298



53.5960, 0.4491, 0.4066



17.9877, 0.3295, 0.3291



11.1096, 0.6401, 0.3300



1.0819, 0.6400, 0.3300

Inverse Universe

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



81.3553, 0.2381, 0.3287



79.9768, 0.2312, 0.3287



41.3113, 0.2153, 0.2286



20.4809, 0.2980, 0.3290



41.1272, 0.2246, 0.3287



4.0046, 0.2246, 0.3287

Previews

White Background



This preview shows how the Yxy color 31.0845, 0.5084, 0.3296 looks on a white background.

Color Contrast Check

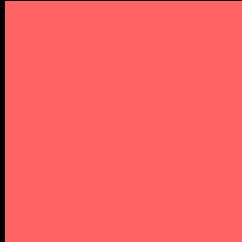
Large Text (above 18pt) WCAG AA × Fail

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 31.0845, 0.5084, 0.3296 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 31.0845, 0.5084, 0.3296

Background



This preview shows how black text looks on a background with the Yxy color 31.0845, 0.5084, 0.3296.



This preview shows how white text looks on a background with the Yxy color 31.0845, 0.5084, 0.3296.

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

31.0845, 0.5084, 0.3296

Protanopia

31.0908, 0.3526, 0.3752

Deuteranopia

31.1965, 0.4116, 0.4040



Tritanopia

31.0153, 0.5017, 0.3231

Trichromacy



Original Color

31.0845, 0.5084, 0.3296

Protanomaly

29.2969, 0.4088, 0.3550

Deuteranomaly

29.9481, 0.4499, 0.3710

Tritanomaly

30.9746, 0.5042, 0.3250

Monochromacy



Original Color

31.0845, 0.5084, 0.3296

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

27.7246, 0.3807, 0.3292

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.0845, 0.5084, 0.3296 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, 99, 99)` looks like.

```
.text, #text, p{  
    color:rgb(255, 99, 99)  
}
```

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, 99, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 99, 99) }
```

Border

The CSS property to change the border of an element to Yxy 31.0845, 0.5084, 0.3296 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, 99, 99) }
```

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

```
.border{ border-color:rgb(255, 99, 99) }
```

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

Here you see how a box with a 4 pixel rgb(255, 99, 99) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 99, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 99, 99);  
box-shadow:4px 4px 4px 4px rgb(255, 99,  
99) }
```


Background

The CSS property to change the background color of an element to Yxy 31.0845, 0.5084, 0.3296 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 99, 99) }
```

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

```
.background{ background-color: rgb(255, 99,  
99) }
```

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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