

Converting Colors

$Y_{xy}(29.7565, 0.5013, 0.3296)$

Have a look what the booklet for
Yxy(29.7565, 0.5013, 0.3296)
contains.

Yxy(29.5987, 0.5018, 0.3296)	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(29.5987, 0.5018, 0.3296)

Conversions

Conversions Part 1

Format	Color
Hex	F76363
RGB	247, 99, 99
RGB Percent	97%, 39%, 39%
CMY	0.0315, 0.6116, 0.6118
CMYK	0.00, 0.60, 0.60, 0.03
HSL	0°, 90%, 68%
HSV	0°, 60%, 97%
XYZ	45.0626, 29.5987, 15.1406
YIQ	143.2520, 88.2080, 31.3760

Conversions

Conversions Part 2

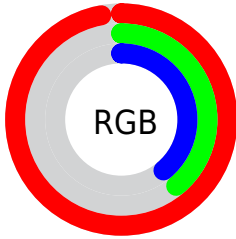
Format	Color
R _Y B	247, 99, 99
Decimal	16212835
CIE Lab	61.31, 56.66, 29.67
CIE LCh	61, 63.960, 27.640
Yxy	29.5987, 0.5018, 0.3296
Android (android.graphics.Color)	4294402915 (0xFF76363)
YUV	143.2520, -21.8162, 90.9870
Hunter-Lab	54.4047, 52.6407, 21.5831

Details

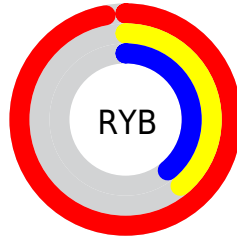
The Yxy color **29.5987, 0.5018, 0.3296** is a light color, and the websafe version is hex **FF6666**. A complement of this color would be **75.8360, 0.2391, 0.3287**, and the grayscale version is **27.6419, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.9047, 0.4170, 0.3346**, and **12.0798, 0.5640, 0.3186** is the 20% darker color. If you saturate the color by 10%, you get **25.2113, 0.5502, 0.3297**, and if you desaturate by 10%, it is **35.5632, 0.4552, 0.3295**.

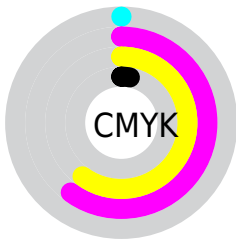
Distribution



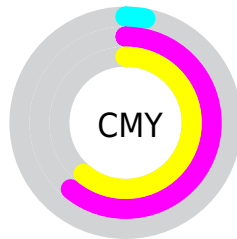
- Red (97%)
- Green (39%)
- Blue (39%)



- Red (97%)
- Yellow (39%)
- Blue (39%)



- Cyan (0%)
- Magenta (60%)
- Yellow (60%)
- Black (3%)




- Cyan (3%)
- Magenta (61%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.5987, 0.5018, 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 29.5987, 0.5018, 0.3296 by changing the saturation by 10% instead.


 29.5987, 0.5018,
0.3296


 29.5987, 0.5018,
0.3296


300.0294, 0.4004,
0.3357


 19.5342, 0.5284,
0.3255


 59.0270, 0.4638,
0.3336


 12.0569, 0.5626,
0.3186


 79.1595, 0.4498,
0.3346

 6.7824, 0.6077,
0.3064


 103.4169, 0.4381,
0.3352

 3.3264, 0.6718,
0.2858

 132.1834, 0.4282,
0.3355

 1.3044, 0.7555,
0.2445

165.8435, 0.4197,
0.3357

 0.1446, 0.9224,
0.0776

204.7816, 0.4124,


 0.0000, 1.0000,


0.3358


0.0000


249.3821, 0.4060,
0.3358


 0.0000, 0.0000,
0.0000


 29.5987, 0.5018,
0.3296


 29.5987, 0.5018,
0.3296


 25.2113, 0.5502,
0.3297

 35.5632, 0.4552,
0.3295


 22.2475, 0.5937,
0.3299

 43.2298, 0.4143,
0.3293


 20.5320, 0.6246,
0.3299


 52.7167, 0.3801,
0.3292

 19.7746, 0.6400,
0.3300

 64.1299, 0.3524,
0.3291

 19.7697, 0.6401,
0.3300

 77.5676, 0.3302,
0.3291

 93.1212, 0.3126,
0.3290

 98.5079, 0.3078,
0.3290

Harmonies

Analogous

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



29.5987, 0.4275, 0.2657



29.5987, 0.5018, 0.3296



29.5987, 0.5091, 0.3994

Triad

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



29.5987, 0.5018, 0.3296



29.5987, 0.2787, 0.4985



29.5987, 0.1702, 0.1834

Complementary

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



29.5987, 0.5018, 0.3296



75.8360, 0.2391, 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.



29.5987, 0.1458, 0.2124



29.5987, 0.5018, 0.3296



29.5987, 0.1985, 0.3957

Square

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



29.5987, 0.5018, 0.3296



29.5987, 0.3732, 0.5194



29.5987, 0.1538, 0.2830



29.5987, 0.2282, 0.1859

Rectangle

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



29.5987, 0.5018, 0.3296



29.5987, 0.4797, 0.4473



29.5987, 0.1538, 0.2830



29.5987, 0.1585, 0.1891

Sweetspot

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



29.6003, 0.5018, 0.3296



71.5259, 0.3478, 0.3291



35.4036, 0.3193, 0.1897



14.4710, 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.



29.6003, 0.5018, 0.3296



26.2854, 0.5605, 0.3298



50.5479, 0.4453, 0.4053



16.4834, 0.3294, 0.3291



10.4592, 0.6401, 0.3300



0.9196, 0.6400, 0.3300

Inverse Universe

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



75.8360, 0.2391, 0.3287



80.0560, 0.2316, 0.3287



39.2448, 0.2172, 0.2312



18.7569, 0.2981, 0.3290



38.7066, 0.2246, 0.3286



3.4022, 0.2246, 0.3287

Previews

White Background



This preview shows how the Yxy color 29.5987, 0.5018, 0.3296 looks on a white background.

Color Contrast Check

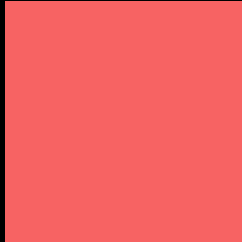
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.5987, 0.5018, 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 × Fail

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

Yxy 29.5987, 0.5018, 0.3296

Background



This preview shows how black text looks on a background with the Yxy color 29.5987, 0.5018, 0.3296.

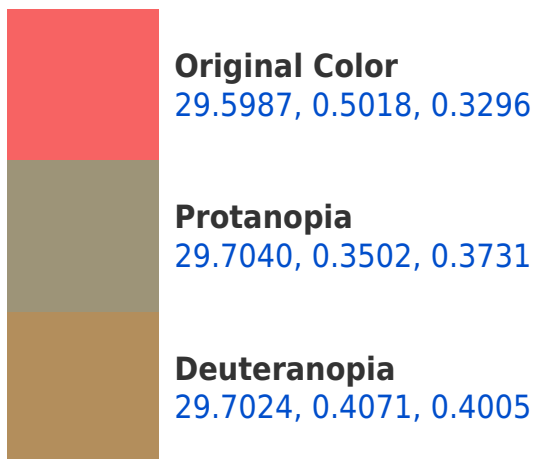


This preview shows how white text looks on a background with the Yxy color 29.5987, 0.5018, 0.3296.

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





Tritanopia

29.5090, 0.4962, 0.3238

Trichromacy



Original Color

29.5987, 0.5018, 0.3296

Protanomaly

28.0823, 0.4054, 0.3542

Deuteranomaly

28.5853, 0.4440, 0.3686

Tritanomaly

29.4688, 0.4988, 0.3257

Monochromacy



Original Color

29.5987, 0.5018, 0.3296

Achromatopsia

27.4677, 0.3127, 0.3290

Achromatomaly

26.5348, 0.3781, 0.3292

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.5987, 0.5018, 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(247, 99, 99)` looks like.

```
.text, #text, p{  
    color:rgb(247, 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(247, 99, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 99, 99) }
```

Border

The CSS property to change the border of an element to Yxy 29.5987, 0.5018, 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(247, 99, 99) }
```

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

```
.border{ border-color:rgb(247, 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(247, 99, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 99, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 99, 99);  
box-shadow:4px 4px 4px 4px rgb(247, 99,  
99) }
```


Background

The CSS property to change the background color of an element to Yxy 29.5987, 0.5018, 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(247, 99, 99) }
```

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

```
.background{ background-color: rgb(247, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor