

Converting Colors

Yxy(31.7329, 0.5120, 0.3518)

Have a look what the booklet for
Yxy(31.7329, 0.5120, 0.3518)
contains.

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Color

Yxy(31.7329, 0.5120, 0.3518)

Conversions

Conversions Part 1

Format	Color
Hex	F96D55
RGB	249, 109, 85
RGB Percent	98%, 43%, 33%
CMY	0.0234, 0.5726, 0.6667
CMYK	0.00, 0.56, 0.66, 0.02
HSL	9°, 93%, 65%
HSV	9°, 66%, 98%
XYZ	46.1832, 31.7329, 12.2854
YIQ	148.1240, 91.1440, 22.2160

Conversions

Conversions Part 2

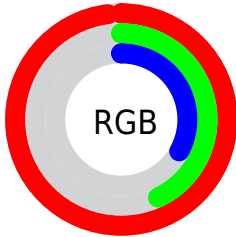
Format	Color
RYB	249, 113, 85
Decimal	16346453
CIELab	63.12, 52.04, 39.77
CIELCh	63, 65.501, 37.388
Yxy	31.7329, 0.5120, 0.3518
Android (android.graphics.Color)	4294536533 (0xFFFF96D55)
YUV	148.1240, -31.1201, 88.4683
Hunter-Lab	56.3320, 47.7605, 26.5018

Details

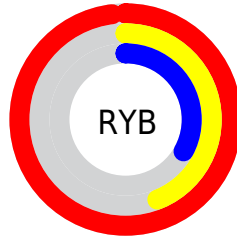
The Yxy color **31.7329, 0.5120, 0.3518** is a dark color, and the websafe version is hex **FF6666**. The color can be described as middle muted orange. A complement of this color would be **62.6493, 0.2279, 0.2988**, and the grayscale version is **29.7715, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.5602, 0.4272, 0.3596**, and **13.2174, 0.5713, 0.3445** is the 20% darker color. If you saturate the color by 10%, you get **27.4061, 0.5555, 0.3511**, and if you desaturate by 10%, it is **37.2994, 0.4686, 0.3502**.

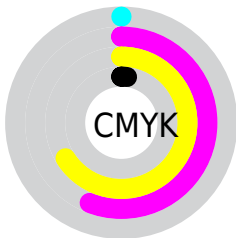
Distribution



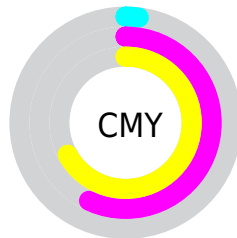
- Red (98%)
- Green (43%)
- Blue (33%)



- Red (98%)
- Yellow (44%)
- Blue (33%)



- Cyan (0%)
- Magenta (56%)
- Yellow (66%)
- Black (2%)



- Cyan (2%)
- Magenta (57%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.7329, 0.5120, 0.3518 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 31.7329, 0.5120, 0.3518 by changing the saturation by 10% instead.


 31.7329, 0.5120,
0.3518


 31.7329, 0.5120,
0.3518

309.9007, 0.4073,
0.3484

 21.1576, 0.5382,
0.3493


 62.3921, 0.4735,
0.3529


 13.2392, 0.5710,
0.3440


 83.2448, 0.4591,
0.3526

 7.5935, 0.6125,
0.3333


 108.2921, 0.4470,
0.3520

 3.8359, 0.6801,
0.3193

 137.9183, 0.4367,
0.3514

 1.5822, 0.7290,
0.2710

 172.5079, 0.4278,
0.3506

 0.3456, 0.8425,
0.1575

212.4452, 0.4200,

 0.0000, 1.0000,


0.3499


0.0000


258.1147, 0.4133,
0.3491


 0.0000, 0.0000,
0.0000


 31.7329, 0.5120,
0.3518


 31.7329, 0.5120,
0.3518

 27.4061, 0.5555,
0.3511

 37.2994, 0.4686,
0.3502


 24.2179, 0.5936,
0.3476

 44.1858, 0.4289,
0.3472


 22.0595, 0.6206,
0.3416


 52.4718, 0.3945,
0.3433

 21.4317, 0.6285,
0.3391

 62.2291, 0.3657,
0.3392

 73.5246, 0.3419,
0.3350

 86.4210, 0.3224,
0.3312

 98.8851, 0.3090,
0.3290

Harmonies

Analogous

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



31.7329, 0.4578, 0.2855



31.7329, 0.5120, 0.3518



31.7329, 0.4977, 0.4229

Triad

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



31.7329, 0.5120, 0.3518



31.7329, 0.2497, 0.4718



31.7329, 0.1851, 0.1810

Complementary

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



31.7329, 0.5120, 0.3518



62.6493, 0.2279, 0.2988

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.



31.7329, 0.1502, 0.1989



31.7329, 0.5120, 0.3518



31.7329, 0.1796, 0.3562

Square

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



31.7329, 0.5120, 0.3518



31.7329, 0.3425, 0.5228



31.7329, 0.1474, 0.2548



31.7329, 0.2548, 0.1925

Rectangle

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



31.7329, 0.5120, 0.3518



31.7329, 0.4583, 0.4697



31.7329, 0.1474, 0.2548



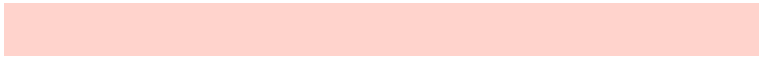
31.7329, 0.1698, 0.1834

Sweetspot

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



31.7347, 0.5120, 0.3518



72.4352, 0.3512, 0.3367



32.1972, 0.3418, 0.1958



14.7918, 0.3580, 0.3379



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.



31.7347, 0.5120, 0.3518



27.7090, 0.5687, 0.3503



57.1471, 0.4443, 0.4311



17.6345, 0.3290, 0.3325



11.5916, 0.6266, 0.3407



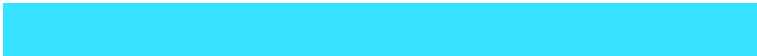
1.1927, 0.6072, 0.3561

Inverse Universe

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



62.6493, 0.2279, 0.2988



62.1390, 0.2190, 0.2919



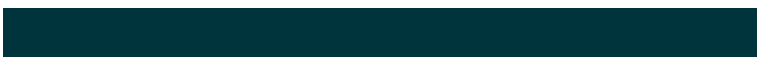
29.0680, 0.2017, 0.1891



19.1506, 0.2980, 0.3254



29.1900, 0.2116, 0.2819



2.8177, 0.2134, 0.2881

Previews

White Background



This preview shows how the Yxy color 31.7329, 0.5120, 0.3518 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 31.7329, 0.5120, 0.3518 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 31.7329, 0.5120, 0.3518

Background



This preview shows how black text looks on a background with the Yxy color 31.7329, 0.5120, 0.3518.



This preview shows how white text looks on a background with the Yxy color 31.7329, 0.5120, 0.3518.

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

31.7329, 0.5120, 0.3518

Protanopia

31.8290, 0.3768, 0.4070

Deuteranopia

31.7992, 0.4272, 0.4193



Tritanopia

31.5970, 0.4840, 0.3227

Trichromacy



Original Color

31.7329, 0.5120, 0.3518

Protanomaly

30.4533, 0.4267, 0.3847

Deuteranomaly

31.0708, 0.4592, 0.3914

Tritanomaly

31.5914, 0.4957, 0.3334

Monochromacy



Original Color

31.7329, 0.5120, 0.3518

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

28.8452, 0.3821, 0.3420

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.7329, 0.5120, 0.3518 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(249, 109, 85)` looks like.

```
.text, #text, p{  
    color:rgb(249, 109, 85)  
}
```

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(249, 109, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 109, 85) }
```

Border

The CSS property to change the border of an element to Yxy 31.7329, 0.5120, 0.3518 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(249, 109, 85) }
```

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

```
.border{ border-color:rgb(249, 109, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 109, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 109, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 109, 85);  
box-shadow:4px 4px 4px 4px rgb(249, 109,  
85) }
```


Background

The CSS property to change the background color of an element to Yxy 31.7329, 0.5120, 0.3518 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 109, 85) }
```

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

```
.background{ background-color: rgb(249,  
109, 85) }
```

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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