

Converting Colors

$Y_{xy}(48.8289, 0.4815, 0.3521)$

Have a look what the booklet for
Yxy(48.8289, 0.4815, 0.3521)
contains.

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Color

Yxy(42.5145, 0.4560, 0.3559)

Conversions

Conversions Part 1

Format	Color
Hex	FF9076
RGB	255, 144, 118
RGB Percent	100%, 56%, 46%
CMY	0.0002, 0.4352, 0.5373
CMYK	0.00, 0.44, 0.54, 0.00
HSL	11°, 100%, 73%
HSV	11°, 54%, 100%
XYZ	54.4721, 42.5145, 22.4697
YIQ	174.2250, 74.5020, 15.4460

Conversions

Conversions Part 2

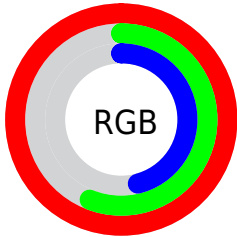
Format	Color
R_{YB}	255, 150, 118
Decimal	16748662
CIE _{Lab}	71.22, 39.35, 32.20
CIE _{LCh}	71, 50.846, 39.290
Yxy	42.5145, 0.4560, 0.3559
Android (android.graphics.Color)	4294938742 (0xFFFF9076)
YUV	174.2250, -27.7189, 70.8397
Hunter-Lab	65.2031, 35.0171, 25.2102

Details

The Yxy color **42.5145, 0.4560, 0.3559** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **67.0593, 0.2375, 0.2977**, and the grayscale version is **42.5681, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.0091, 0.3810, 0.3594**, and **19.3812, 0.4976, 0.3563** is the 20% darker color. If you saturate the color by 10%, you get **36.2955, 0.4971, 0.3587**, and if you desaturate by 10%, it is **50.0456, 0.4188, 0.3515**.

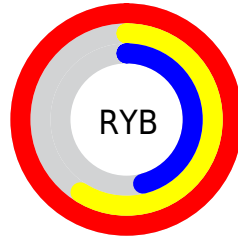
Distribution



Red (100%)

Green (56%)

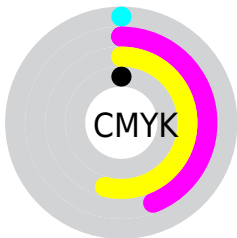
Blue (46%)



Red (100%)

Yellow (59%)

Blue (46%)

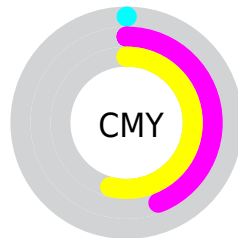


Cyan (0%)

Magenta (44%)

Yellow (54%)

Black (0%)



Cyan (0%)


Magenta (44%)


Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.5145, 0.4560, 0.3559 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 42.5145, 0.4560, 0.3559 by changing the saturation by 10% instead.


 42.5145, 0.4560,
0.3559


 42.5145, 0.4560,
0.3559


356.6113, 0.3831,
0.3467

 29.5044, 0.4740,
0.3567


 78.9777, 0.4295,
0.3536

 19.4627, 0.4969,
0.3568


 103.1996, 0.4195,
0.3525

 12.0051, 0.5265,
0.3553


 131.9275, 0.4111,
0.3513

 6.7471, 0.5656,
0.3502

165.5458, 0.4039,
0.3502

 3.3045, 0.6268,
0.3415

204.4390, 0.3976,
0.3492

 1.2927, 0.6936,
0.3064

248.9913, 0.3922,

 0.1355, 0.8916,

0.3483

0.1084

299.5873, 0.3873,
0.3475

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

42.5145, 0.4560,
0.3559

42.5145, 0.4560,
0.3559

36.2955, 0.4971,
0.3587

50.0456, 0.4188,
0.3515

31.3061, 0.5395,
0.3588


58.9518, 0.3866,
0.3464


27.4643, 0.5784,
0.3557

69.3001, 0.3596,
0.3410

24.6749, 0.6086,
0.3491

81.1510, 0.3372,
0.3357

 23.4063, 0.6221,
0.3442

 94.5616, 0.3187,
0.3308

99.9927, 0.3127,
0.3290

Harmonies

Analogous

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



42.5145, 0.4189, 0.3026



42.5145, 0.4560, 0.3559



42.5145, 0.4479, 0.4096

Triad

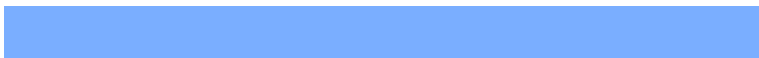
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



42.5145, 0.4560, 0.3559



42.5145, 0.2665, 0.4208



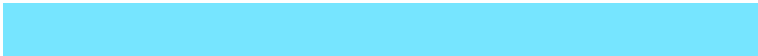
42.5145, 0.2206, 0.2175

Complementary

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



42.5145, 0.4560, 0.3559



67.0593, 0.2375, 0.2977

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.



42.5145, 0.1907, 0.2324



42.5145, 0.4560, 0.3559



42.5145, 0.2136, 0.3454

Square

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



42.5145, 0.4560, 0.3559



42.5145, 0.3356, 0.4619



42.5145, 0.1879, 0.2754



42.5145, 0.2762, 0.2271

Rectangle

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



42.5145, 0.4560, 0.3559



42.5145, 0.4206, 0.4403



42.5145, 0.1879, 0.2754



42.5145, 0.2077, 0.2196

Sweetspot

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



42.5167, 0.4560, 0.3559



78.3457, 0.3419, 0.3369



39.9108, 0.3422, 0.2204



16.2355, 0.3464, 0.3380



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.



42.5167, 0.4560, 0.3559



36.1539, 0.4983, 0.3587



69.4404, 0.4134, 0.4226



18.5459, 0.3290, 0.3336



12.3929, 0.6197, 0.3461



1.3476, 0.5996, 0.3621

Inverse Universe

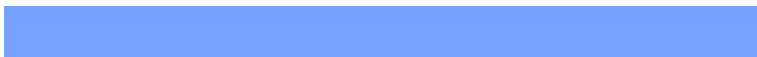
The Inverse Universe completely reimagines the original color for something new.



67.0593, 0.2375, 0.2977



62.7782, 0.2273, 0.2906



36.6842, 0.2194, 0.2101



19.8596, 0.2980, 0.3244



27.1761, 0.2074, 0.2668



2.7902, 0.2096, 0.2746

Previews

White Background



This preview shows how the Yxy color 42.5145, 0.4560, 0.3559 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 42.5145, 0.4560, 0.3559 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 42.5145, 0.4560, 0.3559

Background



This preview shows how black text looks on a background with the Yxy color 42.5145, 0.4560, 0.3559.



This preview shows how white text looks on a background with the Yxy color 42.5145, 0.4560, 0.3559.

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

42.5145, 0.4560, 0.3559

Protanopia

42.8634, 0.3615, 0.3882

Deuteranopia

42.5540, 0.4028, 0.3946



Tritanopia

42.5441, 0.4224, 0.3189

Trichromacy



Original Color

42.5145, 0.4560, 0.3559

Protanomaly

42.0543, 0.3954, 0.3762

Deuteranomaly

42.2028, 0.4223, 0.3804

Tritanomaly

42.4701, 0.4351, 0.3325

Monochromacy



Original Color

42.5145, 0.4560, 0.3559

Achromatopsia

42.3268, 0.3127, 0.3290

Achromatomaly

41.2240, 0.3599, 0.3407

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.5145, 0.4560, 0.3559 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, 144, 118)` looks like.

```
.text, #text, p{  
    color:rgb(255, 144, 118)  
}
```

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, 144, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 144, 118) }
```

Border

The CSS property to change the border of an element to Yxy 42.5145, 0.4560, 0.3559 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, 144, 118) }
```

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

```
.border{ border-color:rgb(255, 144, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 144, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 144, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 144, 118);  
box-shadow:4px 4px 4px 4px rgb(255, 144,  
118) }
```


Background

The CSS property to change the background color of an element to Yxy 42.5145, 0.4560, 0.3559 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 144, 118) }
```

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

```
.background{ background-color: rgb(255,  
144, 118) }
```

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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