

Converting Colors

$Yxy(43.0658, 0.2908, 0.4063)$

Have a look what the booklet for
Yxy(43.0658, 0.2908, 0.4063)
contains.

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Color

Yxy(42.9965, 0.2907, 0.4052)

Conversions

Conversions Part 1

Format	Color
Hex	75BF8E
RGB	117, 191, 142
RGB Percent	46%, 75%, 56%
CMY	0.5413, 0.2509, 0.4431
CMYK	0.39, 0.00, 0.26, 0.25
HSL	140°, 37%, 60%
HSV	140°, 39%, 75%
XYZ	30.8467, 42.9965, 32.2686
YIQ	163.2880, -28.3750, -30.9270

Conversions

Conversions Part 2

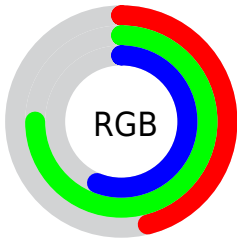
Format	Color
RYB	117, 172, 191
Decimal	7716750
CIELab	71.55, -33.78, 17.61
CIELCh	72, 38.091, 152.464
Yxy	42.9965, 0.2907, 0.4052
Android (android.graphics.Color)	4285906830 (0xFF75BF8E)
YUV	163.2880, -10.4950, -40.5946
Hunter-Lab	65.5717, -30.7793, 16.7229

Details

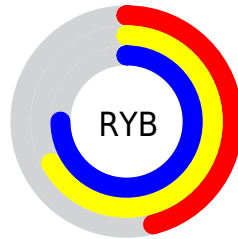
The Yxy color $42.9965, 0.2907, 0.4052$ is a dark color, and the websafe version is hex $66CC99$. A complement of this color would be $26.5445, 0.3451, 0.2638$, and the grayscale version is $36.8275, 0.3127, 0.3290$.

A 20% lighter version of the original color is $79.8910, 0.2955, 0.3899$, and $19.7540, 0.2824, 0.4294$ is the 20% darker color. If you saturate the color by 10%, you get $41.4494, 0.2863, 0.4294$, and if you desaturate by 10%, it is $44.8601, 0.2959, 0.3827$.

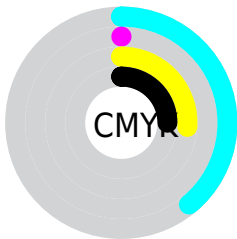
Distribution



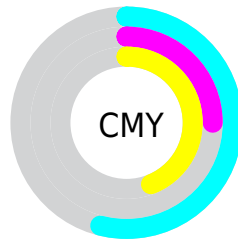
- Red (46%)
- Green (75%)
- Blue (56%)



- Red (46%)
- Yellow (67%)
- Blue (75%)



- Cyan (39%)
- Magenta (0%)
- Yellow (26%)
- Black (25%)




- Cyan (54%)
- Magenta (25%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.9965, 0.2907, 0.4052 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 42.9965, 0.2907, 0.4052 by changing the saturation by 10% instead.

 42.9965, 0.2907,
0.4052


 42.9965, 0.2907,
0.4052


358.5974, 0.3028,
0.3647


 29.8824, 0.2873,
0.4161


 79.7056, 0.2954,
0.3899

 19.7493, 0.2827,
0.4306

 104.0693, 0.2970,
0.3844

 12.2130, 0.2762,
0.4507


 132.9517, 0.2984,
0.3797

 6.8889, 0.2661,
0.4806


166.7372, 0.2996,
0.3758

 3.3927, 0.2491,
0.5288

205.8101, 0.3005,
0.3724

 1.3400, 0.2066,
0.7081

250.5548, 0.3014,

 0.1719, 0.0000,

0.3695

1.0000

301.3558, 0.3021,
0.3670

0.0000, 0.0000,
0.0000

42.9965, 0.2907,
0.4052

42.9965, 0.2907,
0.4052

41.4494, 0.2863,
0.4294

44.8601, 0.2959,
0.3827

40.1955, 0.2831,
0.4546

47.0514, 0.3015,
0.3621

39.2168, 0.2813,
0.4802

49.5875, 0.3075,
0.3435

38.4909, 0.2812,
0.5049

52.4827, 0.3135,
0.3271

37.9915, 0.2828,
0.5279

55.7506, 0.3194,
0.3126

■ 37.6758, 0.2859,
0.5481

■ 59.4039, 0.3251,
0.2998

■ 37.6423, 0.2862,
0.5504

■ 63.4548, 0.3306,
0.2888

■ 65.0043, 0.3244,
0.2772

■ 65.7452, 0.3157,
0.2663

Harmonies

Analogous

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



42.9965, 0.3444, 0.4282



42.9965, 0.2907, 0.4052



42.9965, 0.2454, 0.3552

Triad

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



42.9965, 0.2907, 0.4052



42.9965, 0.2348, 0.2439



42.9965, 0.4162, 0.3427

Complementary

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



42.9965, 0.2907, 0.4052



26.5445, 0.3451, 0.2638

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.



42.9965, 0.3817, 0.3010



42.9965, 0.2907, 0.4052



42.9965, 0.2745, 0.2465

Square

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



42.9965, 0.2907, 0.4052



42.9965, 0.2156, 0.2618



42.9965, 0.3282, 0.2670



42.9965, 0.4193, 0.3847

Rectangle

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



42.9965, 0.2907, 0.4052



42.9965, 0.2254, 0.3181



42.9965, 0.3282, 0.2670



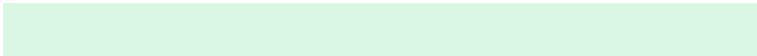
42.9965, 0.4078, 0.3284

Sweetspot

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



42.9983, 0.2907, 0.4052



87.1753, 0.3054, 0.3497



46.6913, 0.3479, 0.4316



19.0095, 0.3046, 0.3521



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



42.9983, 0.2907, 0.4052



74.4869, 0.2867, 0.4269



44.2862, 0.2670, 0.3471



10.7015, 0.3071, 0.3446



24.7493, 0.2855, 0.5479



0.9819, 0.2713, 0.4967

Inverse Universe

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



26.5445, 0.3451, 0.2638



40.6515, 0.3555, 0.2492



25.3858, 0.3914, 0.3122



9.6399, 0.3188, 0.3139



8.2914, 0.4277, 0.2130



0.3365, 0.3961, 0.1956

Previews

White Background



This preview shows how the Yxy color 42.9965, 0.2907, 0.4052 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 42.9965, 0.2907, 0.4052 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

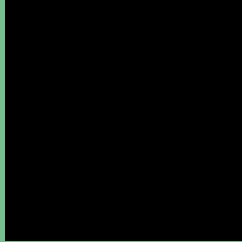
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.9965, 0.2907, 0.4052

Background



This preview shows how black text looks on a background with the Yxy color 42.9965, 0.2907, 0.4052.



This preview shows how white text looks on a background with the Yxy color 42.9965, 0.2907, 0.4052.

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

42.9965, 0.2907, 0.4052

Protanopia

42.4324, 0.3583, 0.3831

Deuteranopia

42.5294, 0.3631, 0.3562



Tritanopia

43.0253, 0.2614, 0.3090

Trichromacy



Original Color

42.9965, 0.2907, 0.4052



Protanomaly

42.0257, 0.3307, 0.3911



Deuteranomaly

41.6410, 0.3331, 0.3727



Tritanomaly

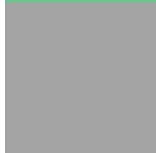
43.1150, 0.2719, 0.3421

Monochromacy



Original Color

42.9965, 0.2907, 0.4052



Achromatopsia

36.6253, 0.3127, 0.3290



Achromatomaly

38.3647, 0.3036, 0.3560

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.9965, 0.2907, 0.4052 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(117, 191, 142)` looks like.

```
.text, #text, p{  
    color:rgb(117, 191, 142)  
}
```

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(117, 191, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 191, 142) }
```

Border

The CSS property to change the border of an element to Yxy 42.9965, 0.2907, 0.4052 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(117, 191, 142) }
```

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

```
.border{ border-color:rgb(117, 191, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 191, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(117, 191, 142); -webkit-box-shadow:4px 4px 4px 4px rgb(117, 191, 142); box-shadow:4px 4px 4px 4px rgb(117, 191, 142) }
```


Background

The CSS property to change the background color of an element to Yxy 42.9965, 0.2907, 0.4052 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 191, 142) }
```

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

```
.background{ background-color: rgb(117,  
191, 142) }
```

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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