

Converting Colors

$Yxy(45.7995, 0.2967, 0.3707)$

Have a look what the booklet for
Yxy(45.7995, 0.2967, 0.3707)
contains.

Yxy(45.7995, 0.2967, 0.3707)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(45.7995, 0.2967, 0.3707)

Conversions

Conversions Part 1

Format	Color
Hex	90BFA2
RGB	144, 191, 162
RGB Percent	56%, 75%, 64%
CMY	0.4352, 0.2510, 0.3647
CMYK	0.25, 0.00, 0.15, 0.25
HSL	143°, 27%, 66%
HSV	143°, 25%, 75%
XYZ	36.6569, 45.7995, 41.0923
YIQ	173.6410, -18.7030, -18.9830

Conversions

Conversions Part 2

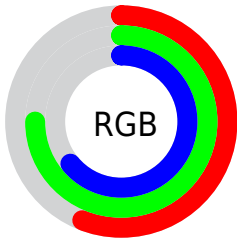
Format	Color
RYB	144, 178, 191
Decimal	9486242
CIELab	73.42, -21.46, 9.63
CIELCh	73, 23.523, 155.827
Yxy	45.7995, 0.2967, 0.3707
Android (android.graphics.Color)	4287676322 (0xFF90BFA2)
YUV	173.6410, -5.7390, -25.9952
Hunter-Lab	67.6753, -21.7458, 11.3720

Details

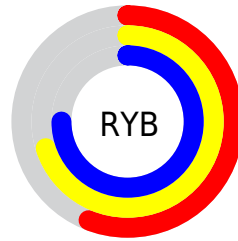
The Yxy color $45.7995, 0.2967, 0.3707$ is a light color, and the websafe version is hex $99CC99$. A complement of this color would be $34.0472, 0.3331, 0.2907$, and the grayscale version is $42.1739, 0.3127, 0.3290$.

A 20% lighter version of the original color is $84.2867, 0.3000, 0.3630$, and $21.2924, 0.2915, 0.3838$ is the 20% darker color. If you saturate the color by 10%, you get $43.8244, 0.2908, 0.3909$, and if you desaturate by 10%, it is $48.1087, 0.3031, 0.3524$.

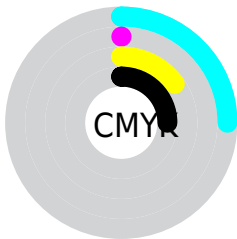
Distribution



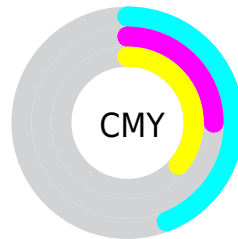
- Red (56%)
- Green (75%)
- Blue (64%)



- Red (56%)
- Yellow (70%)
- Blue (75%)



- Cyan (25%)
- Magenta (0%)
- Yellow (15%)
- Black (25%)





- Cyan (44%)
- Magenta (25%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.7995, 0.2967, 0.3707 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 45.7995, 0.2967, 0.3707 by changing the saturation by 10% instead.


 45.7995, 0.2967,
0.3707


 45.7995, 0.2967,
0.3707


370.0020, 0.3050,
0.3492

 32.0876, 0.2945,
0.3763


 83.9189, 0.2998,
0.3627

 21.4284, 0.2917,
0.3836


 109.0951, 0.3009,
0.3598

 13.4375, 0.2877,
0.3936


138.8617, 0.3019,
0.3573

 7.7305, 0.2820,
0.4080

173.6028, 0.3027,
0.3552

 3.9230, 0.2730,
0.4306

213.7031, 0.3034,
0.3534

 1.6306, 0.2566,
0.4709

259.5467, 0.3040,

 0.3781, 0.0000,

0.3518

1.0000

311.5182, 0.3046,
0.3504

0.0000, 0.0000,
0.0000

45.7995, 0.2967,
0.3707

45.7995, 0.2967,
0.3707

43.8244, 0.2908,
0.3909

48.1087, 0.3031,
0.3524

42.1620, 0.2856,
0.4128

50.7609, 0.3097,
0.3359

40.7971, 0.2815,
0.4360

53.7717, 0.3163,
0.3213

39.7111, 0.2788,
0.4599

57.1542, 0.3228,
0.3085

38.8830, 0.2777,
0.4837

60.9206, 0.3291,
0.2973

■ 38.2888, 0.2785,
0.5066

■ 64.3894, 0.3323,
0.2870

■ 37.8996, 0.2811,
0.5276

■ 65.0848, 0.3233,
0.2759

■ 37.7439, 0.2828,
0.5381

■ 65.7413, 0.3157,
0.2663

Harmonies

Analogous

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



45.7995, 0.3297, 0.3869



45.7995, 0.2967, 0.3707



45.7995, 0.2690, 0.3415

Triad

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



45.7995, 0.2967, 0.3707



45.7995, 0.2666, 0.2753



45.7995, 0.3761, 0.3423

Complementary

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



45.7995, 0.2967, 0.3707



34.0472, 0.3331, 0.2907

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.



45.7995, 0.3575, 0.3151



45.7995, 0.2967, 0.3707



45.7995, 0.2933, 0.2777

Square

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



45.7995, 0.2967, 0.3707



45.7995, 0.2524, 0.2865



45.7995, 0.3266, 0.2920



45.7995, 0.3766, 0.3679

Rectangle

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



45.7995, 0.2967, 0.3707



45.7995, 0.2569, 0.3202



45.7995, 0.3266, 0.2920



45.7995, 0.3718, 0.3331

Sweetspot

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



45.8014, 0.2967, 0.3707



89.6594, 0.3080, 0.3399



48.2484, 0.3343, 0.3927



19.6229, 0.3076, 0.3409



97.7402, 0.3127, 0.3290



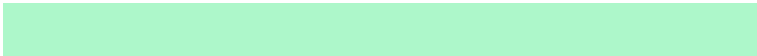
20.4902, 0.3127, 0.3290

Same Dimension

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



45.8014, 0.2967, 0.3707



79.8796, 0.2931, 0.3824



46.6842, 0.2811, 0.3376



10.7085, 0.3065, 0.3435



24.8196, 0.2821, 0.5356



0.9851, 0.2682, 0.4854

Inverse Universe

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



34.0472, 0.3331, 0.2907



54.8921, 0.3393, 0.2812



33.2407, 0.3568, 0.3206



9.6327, 0.3195, 0.3149



8.1531, 0.4452, 0.2226



0.3318, 0.4080, 0.2021

Previews

White Background



This preview shows how the Yxy color 45.7995, 0.2967, 0.3707 looks on a white background.

Color Contrast Check

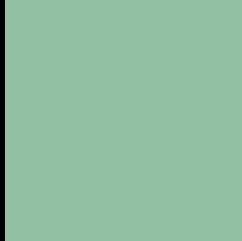
Large Text (above 18pt) WCAG AA × Fail

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 45.7995, 0.2967, 0.3707 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

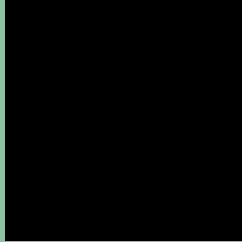
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.7995, 0.2967, 0.3707

Background



This preview shows how black text looks on a background with the Yxy color 45.7995, 0.2967, 0.3707.



This preview shows how white text looks on a background with the Yxy color 45.7995, 0.2967, 0.3707.

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

45.7995, 0.2967, 0.3707

Protanopia

45.3319, 0.3398, 0.3594

Deuteranopia

45.1969, 0.3453, 0.3379



Tritanopia

45.8673, 0.2754, 0.3100

Trichromacy



Original Color

45.7995, 0.2967, 0.3707

Protanomaly

45.1063, 0.3231, 0.3633

Deuteranomaly

45.1829, 0.3258, 0.3490

Tritanomaly

45.8075, 0.2828, 0.3317

Monochromacy



Original Color

45.7995, 0.2967, 0.3707

Achromatopsia

42.3268, 0.3127, 0.3290

Achromatomaly

43.3313, 0.3061, 0.3429

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.7995, 0.2967, 0.3707 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(144, 191, 162)` looks like.

```
.text, #text, p{  
    color:rgb(144, 191, 162)  
}
```

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(144, 191, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 191, 162) }
```

Border

The CSS property to change the border of an element to Yxy 45.7995, 0.2967, 0.3707 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(144, 191, 162) }
```

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

```
.border{ border-color:rgb(144, 191, 162) }
```

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

Here you see how a box with a 4 pixel rgb(144, 191, 162) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 191, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 191, 162);  
box-shadow:4px 4px 4px 4px rgb(144, 191,  
162) }
```


Background

The CSS property to change the background color of an element to Yxy 45.7995, 0.2967, 0.3707 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 191, 162) }
```

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

```
.background{ background-color: rgb(144,  
191, 162) }
```

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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