

Converting Colors

$Yxy(45.6759, 0.3195, 0.4056)$

Have a look what the booklet for
Yxy(45.6759, 0.3195, 0.4056)
contains.

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Color

Yxy(45.6759, 0.3195, 0.4056)

Conversions

Conversions Part 1

Format	Color
Hex	97BF8A
RGB	151, 191, 138
RGB Percent	59%, 75%, 54%
CMY	0.4078, 0.2510, 0.4589
CMYK	0.21, 0.00, 0.28, 0.25
HSL	105°, 29%, 65%
HSV	105°, 28%, 75%
XYZ	35.9799, 45.6759, 30.9574
YIQ	172.9980, -6.8270, -24.9630

Conversions

Conversions Part 2

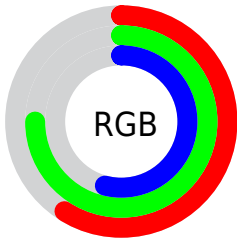
Format	Color
RYB	138, 191, 178
Decimal	9944970
CIELab	73.33, -23.37, 22.51
CIELCh	73, 32.448, 136.066
Yxy	45.6759, 0.3195, 0.4056
Android (android.graphics.Color)	4288135050 (0xFF97BF8A)
YUV	172.9980, -17.2540, -19.2922
Hunter-Lab	67.5839, -23.2432, 20.1505

Details

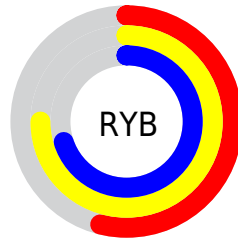
The Yxy color $45.6759, 0.3195, 0.4056$ is a light color, and the websafe version is hex $99CC99$. A complement of this color would be $31.3969, 0.3029, 0.2581$, and the grayscale version is $41.8807, 0.3127, 0.3290$.

A 20% lighter version of the original color is $84.0624, 0.3187, 0.3908$, and $21.2486, 0.3196, 0.4284$ is the 20% darker color. If you saturate the color by 10%, you get $43.8769, 0.3212, 0.4376$, and if you desaturate by 10%, it is $47.7447, 0.3173, 0.3757$.

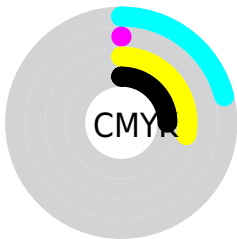
Distribution



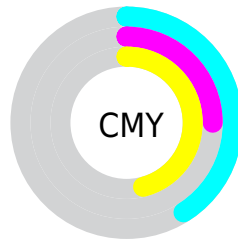
- Red (59%)
- Green (75%)
- Blue (54%)



- Red (54%)
- Yellow (75%)
- Blue (70%)



- Cyan (21%)
- Magenta (0%)
- Yellow (28%)
- Black (25%)




- Cyan (41%)
- Magenta (25%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.6759, 0.3195, 0.4056 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 45.6759, 0.3195, 0.4056 by changing the saturation by 10% instead.

 45.6759, 0.3195,
0.4056


 45.6759, 0.3195,
0.4056


369.5041, 0.3170,
0.3657

 31.9901, 0.3198,
0.4161


 83.7337, 0.3188,
0.3907

 21.3540, 0.3200,
0.4298


 108.8746, 0.3185,
0.3852

 13.3830, 0.3198,
0.4485


 138.6027, 0.3182,
0.3806

 7.6928, 0.3187,
0.4755

173.3023, 0.3179,
0.3767

 3.8990, 0.3150,
0.5171

213.3578, 0.3176,
0.3734

 1.6172, 0.3353,
0.6512

259.1537, 0.3174,

 0.3692, 0.0000,

0.3705

1.0000

311.0743, 0.3172,
0.3679

0.0000, 0.0000,
0.0000

45.6759, 0.3195,
0.4056

45.6759, 0.3195,
0.4056

43.8769, 0.3212,
0.4376

47.7447, 0.3173,
0.3757

42.3306, 0.3221,
0.4706

50.0877, 0.3148,
0.3483

41.0270, 0.3221,
0.5031


52.7170, 0.3121,
0.3237


39.9531, 0.3208,
0.5332

55.6419, 0.3094,
0.3020


39.0947, 0.3184,
0.5586


58.8712, 0.3067,
0.2828

 38.4355, 0.3148,
0.5778

 62.4137, 0.3042,
0.2660

 37.9547, 0.3106,
0.5900

 65.1557, 0.3133,
0.2659

 37.8659, 0.3097,
0.5923

 65.7438, 0.3157,
0.2663

Harmonies

Analogous

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



45.6759, 0.3632, 0.4102



45.6759, 0.3195, 0.4056



45.6759, 0.2759, 0.3749

Triad

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



45.6759, 0.3195, 0.4056



45.6759, 0.2354, 0.2634



45.6759, 0.3861, 0.3216

Complementary

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



45.6759, 0.3195, 0.4056



31.3969, 0.3029, 0.2581

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.



45.6759, 0.3471, 0.2885



45.6759, 0.3195, 0.4056



45.6759, 0.2604, 0.2557

Square

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



45.6759, 0.3195, 0.4056



45.6759, 0.2295, 0.2893



45.6759, 0.3006, 0.2650



45.6759, 0.4037, 0.3582

Rectangle

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



45.6759, 0.3195, 0.4056



45.6759, 0.2526, 0.3455



45.6759, 0.3006, 0.2650



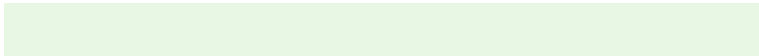
45.6759, 0.3749, 0.3098

Sweetspot

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



45.6779, 0.3195, 0.4056



89.5393, 0.3149, 0.3493



44.6526, 0.3584, 0.3815



19.5150, 0.3153, 0.3533



97.7402, 0.3127, 0.3290



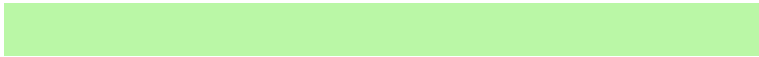
20.4902, 0.3127, 0.3290

Same Dimension

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



45.6779, 0.3195, 0.4056



79.8890, 0.3205, 0.4238



44.9077, 0.2997, 0.3877



10.7597, 0.3152, 0.3524



24.9157, 0.3105, 0.5917



1.0077, 0.3286, 0.5773

Inverse Universe

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



31.3969, 0.3029, 0.2581



50.2901, 0.3002, 0.2427



32.4532, 0.3291, 0.2768



9.5751, 0.3099, 0.3061



6.4136, 0.2602, 0.1207



0.2800, 0.2754, 0.1291

Previews

White Background



This preview shows how the Yxy color 45.6759, 0.3195, 0.4056 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 45.6759, 0.3195, 0.4056 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

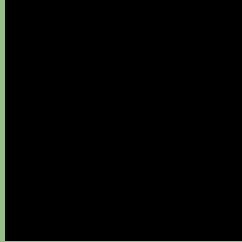
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.6759, 0.3195, 0.4056

Background



This preview shows how black text looks on a background with the Yxy color 45.6759, 0.3195, 0.4056.



This preview shows how white text looks on a background with the Yxy color 45.6759, 0.3195, 0.4056.

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

45.6759, 0.3195, 0.4056

Protanopia

45.2711, 0.3641, 0.3892

Deuteranopia

45.1597, 0.3750, 0.3664



Tritanopia

45.5213, 0.2838, 0.3089

Trichromacy



Original Color

45.6759, 0.3195, 0.4056

Protanomaly

45.0812, 0.3471, 0.3945

Deuteranomaly

44.9821, 0.3535, 0.3794

Tritanomaly

45.4205, 0.2966, 0.3428

Monochromacy



Original Color

45.6759, 0.3195, 0.4056

Achromatopsia

41.7885, 0.3127, 0.3290

Achromatomaly

43.1799, 0.3157, 0.3570

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.6759, 0.3195, 0.4056 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(151, 191, 138)` looks like.

```
.text, #text, p{  
    color:rgb(151, 191, 138)  
}
```

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(151, 191, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 191, 138) }
```

Border

The CSS property to change the border of an element to Yxy 45.6759, 0.3195, 0.4056 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(151, 191, 138) }
```

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

```
.border{ border-color:rgb(151, 191, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 191, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 191, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 191, 138);  
box-shadow:4px 4px 4px 4px rgb(151, 191,  
138) }
```


Background

The CSS property to change the background color of an element to Yxy 45.6759, 0.3195, 0.4056 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 191, 138) }
```

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

```
.background{ background-color: rgb(151,  
191, 138) }
```

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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