

Converting Colors

$Yxy(42.8526, 0.2995, 0.3676)$

Have a look what the booklet for
Yxy(42.8526, 0.2995, 0.3676)
contains.

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Color

Yxy(42.6789, 0.2995, 0.3672)

Conversions

Conversions Part 1

Format	Color
Hex	90B89E
RGB	144, 184, 158
RGB Percent	56%, 72%, 62%
CMY	0.4353, 0.2784, 0.3805
CMYK	0.22, 0.00, 0.14, 0.28
HSL	141°, 22%, 64%
HSV	141°, 22%, 72%
XYZ	34.8103, 42.6789, 38.7388
YIQ	169.0760, -15.4940, -16.5660

Conversions

Conversions Part 2

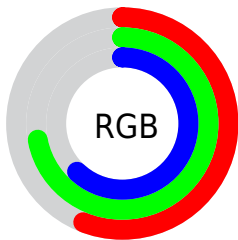
Format	Color
RYB	144, 174, 184
Decimal	9484446
CIELab	71.34, -18.72, 8.86
CIELCh	71, 20.709, 154.663
Yxy	42.6789, 0.2995, 0.3672
Android (android.graphics.Color)	4287674526 (0xFF90B89E)
YUV	169.0760, -5.4605, -21.9917
Hunter-Lab	65.3291, -19.2131, 10.5726

Details

The Yxy color $42.6789, 0.2995, 0.3672$ is a light color, and the websafe version is hex $99CC99$. A complement of this color would be $33.0379, 0.3289, 0.2937$, and the grayscale version is $39.7480, 0.3127, 0.3290$.

A 20% lighter version of the original color is $79.1300, 0.3017, 0.3592$, and $19.6213, 0.2951, 0.3788$ is the 20% darker color. If you saturate the color by 10%, you get $40.7645, 0.2938, 0.3880$, and if you desaturate by 10%, it is $44.9071, 0.3055, 0.3485$.

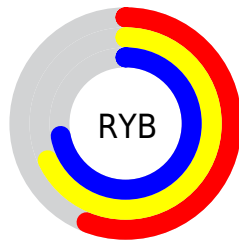
Distribution



Red (56%)

Green (72%)

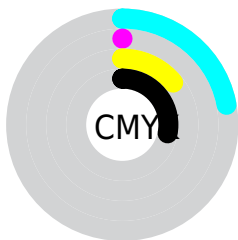
Blue (62%)



Red (56%)

Yellow (68%)

Blue (72%)

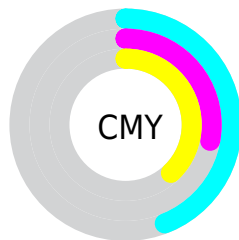


Cyan (22%)

Magenta (0%)

Yellow (14%)

Black (28%)



Cyan (44%)


Magenta (28%)


Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.6789, 0.2995, 0.3672 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 42.6789, 0.2995, 0.3672 by changing the saturation by 10% instead.

 42.6789, 0.2995,
0.3672


 42.6789, 0.2995,
0.3672


357.2896, 0.3065,
0.3473

 29.6333, 0.2976,
0.3724


 79.2261, 0.3021,
0.3598

 19.5604, 0.2952,
0.3793


 103.4964, 0.3031,
0.3571

 12.0759, 0.2918,
0.3888


132.2771, 0.3039,
0.3548

 6.7954, 0.2868,
0.4027

165.9525, 0.3045,
0.3528

 3.3345, 0.2786,
0.4248

204.9071, 0.3051,
0.3512

 1.3087, 0.2636,
0.4688

249.5252, 0.3056,

 0.1480, 0.0000,

0.3497

1.0000

300.1912, 0.3061,
0.3484

0.0000, 0.0000,
0.0000

42.6789, 0.2995,
0.3672

42.6789, 0.2995,
0.3672

40.7645, 0.2938,
0.3880

44.9071, 0.3055,
0.3485

39.1442, 0.2888,
0.4105

47.4570, 0.3116,
0.3317

37.8046, 0.2846,
0.4346

50.3429, 0.3177,
0.3169

36.7289, 0.2817,
0.4595

53.5766, 0.3237,
0.3039

35.8984, 0.2803,
0.4845

57.1693, 0.3294,
0.2926

■ 35.2920, 0.2807,
0.5086

■ 61.1318, 0.3349,
0.2827

■ 34.8846, 0.2827,
0.5307

■ 61.9415, 0.3260,
0.2715

■ 34.6582, 0.2853,
0.5469

■ 62.6836, 0.3169,
0.2606

■ 62.7646, 0.3160,
0.2595

Harmonies

Analogous

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



42.6789, 0.3293, 0.3812



42.6789, 0.2995, 0.3672



42.6789, 0.2741, 0.3415

Triad

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



42.6789, 0.2995, 0.3672



42.6789, 0.2703, 0.2806



42.6789, 0.3694, 0.3403

Complementary

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



42.6789, 0.2995, 0.3672



33.0379, 0.3289, 0.2937

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.



42.6789, 0.3521, 0.3156



42.6789, 0.2995, 0.3672



42.6789, 0.2941, 0.2822

Square

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



42.6789, 0.2995, 0.3672



42.6789, 0.2578, 0.2913



42.6789, 0.3241, 0.2948



42.6789, 0.3706, 0.3636

Rectangle

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



42.6789, 0.2995, 0.3672



42.6789, 0.2627, 0.3224



42.6789, 0.3241, 0.2948



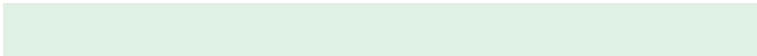
42.6789, 0.3653, 0.3320

Sweetspot

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



42.6807, 0.2995, 0.3672



83.4642, 0.3083, 0.3405



44.9187, 0.3330, 0.3845



17.9348, 0.3080, 0.3415



93.3107, 0.3127, 0.3290



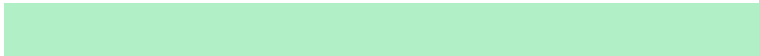
18.7317, 0.3127, 0.3290

Same Dimension

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



42.6807, 0.2995, 0.3672



75.6661, 0.2968, 0.3767



43.4008, 0.2855, 0.3385



10.1106, 0.3070, 0.3442



23.8959, 0.2846, 0.5447



0.8544, 0.2693, 0.4893

Inverse Universe

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



33.0379, 0.3289, 0.2937



55.1244, 0.3332, 0.2857



32.3581, 0.3489, 0.3198



9.1080, 0.3189, 0.3142



7.9665, 0.4319, 0.2153



0.2921, 0.3965, 0.1958

Previews

White Background



This preview shows how the Yxy color 42.6789, 0.2995, 0.3672 looks on a white background.

Color Contrast Check

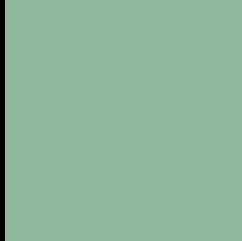
Large Text (above 18pt) WCAG AA × Fail

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 42.6789, 0.2995, 0.3672 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

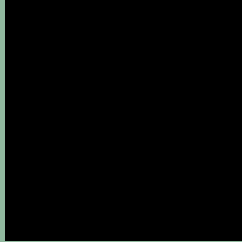
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

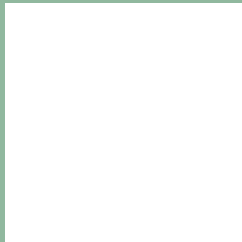
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.6789, 0.2995, 0.3672

Background



This preview shows how black text looks on a background with the Yxy color 42.6789, 0.2995, 0.3672.



This preview shows how white text looks on a background with the Yxy color 42.6789, 0.2995, 0.3672.

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

42.6789, 0.2995, 0.3672

Protanopia

42.5171, 0.3378, 0.3575

Deuteranopia

42.3142, 0.3453, 0.3382



Tritanopia

42.5745, 0.2786, 0.3095

Trichromacy



Original Color

42.6789, 0.2995, 0.3672

Protanomaly

42.5322, 0.3226, 0.3613

Deuteranomaly

42.1573, 0.3272, 0.3482

Tritanomaly

42.6389, 0.2865, 0.3303

Monochromacy



Original Color

42.6789, 0.2995, 0.3672

Achromatopsia

39.6755, 0.3127, 0.3290

Achromatomaly

40.4623, 0.3077, 0.3418

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.6789, 0.2995, 0.3672 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, 184, 158)` looks like.

```
.text, #text, p{  
    color:rgb(144, 184, 158)  
}
```

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, 184, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 184, 158) }
```

Border

The CSS property to change the border of an element to Yxy 42.6789, 0.2995, 0.3672 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, 184, 158) }
```

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

```
.border{ border-color:rgb(144, 184, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 184, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 184, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 184, 158);  
box-shadow:4px 4px 4px 4px rgb(144, 184,  
158) }
```


Background

The CSS property to change the background color of an element to Yxy 42.6789, 0.2995, 0.3672 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 184, 158) }
```

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

```
.background{ background-color: rgb(144,  
184, 158) }
```

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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