

Converting Colors

$Yxy(65.7023, 0.2959, 0.3927)$

Have a look what the booklet for
Yxy(65.7023, 0.2959, 0.3927)
contains.

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Color

Yxy(65.7691, 0.2955, 0.3927)

Conversions

Conversions Part 1

Format	Color
Hex	9CE4B2
RGB	156, 228, 178
RGB Percent	61%, 89%, 70%
CMY	0.3883, 0.1059, 0.3018
CMYK	0.32, 0.00, 0.22, 0.11
HSL	138°, 57%, 75%
HSV	138°, 32%, 89%
XYZ	49.4901, 65.7691, 52.2200
YIQ	200.7720, -26.8620, -30.8140

Conversions

Conversions Part 2

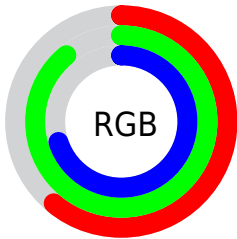
Format	Color
RYB	156, 211, 228
Decimal	10282162
CIELab	84.88, -32.57, 17.38
CIELCh	85, 36.916, 151.919
Yxy	65.7691, 0.2955, 0.3927
Android (android.graphics.Color)	4288472242 (0xFF9CE4B2)
YUV	200.7720, -11.2266, -39.2650
Hunter-Lab	81.0982, -32.9922, 18.5912

Details

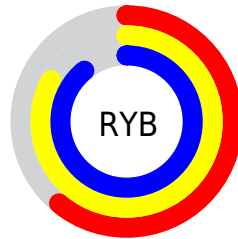
The Yxy color **65.7691, 0.2955, 0.3927** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **44.7229, 0.3358, 0.2730**, and the grayscale version is **58.3446, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.4576, 0.2984, 0.3509**, and **33.8105, 0.2904, 0.4103** is the 20% darker color. If you saturate the color by 10%, you get **63.1074, 0.2909, 0.4173**, and if you desaturate by 10%, it is **68.9365, 0.3007, 0.3701**.

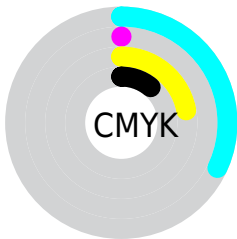
Distribution



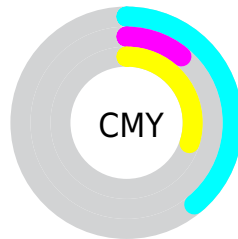
- Red (61%)
- Green (89%)
- Blue (70%)



- Red (61%)
- Yellow (83%)
- Blue (89%)



- Cyan (32%)
- Magenta (0%)
- Yellow (22%)
- Black (11%)





- Cyan (39%)
- Magenta (11%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.7691, 0.2955, 0.3927 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 65.7691, 0.2955, 0.3927 by changing the saturation by 10% instead.

 65.7691, 0.2955,
0.3927

 65.7691, 0.2955,
0.3927


445.5507, 0.3043,
0.3614

 48.0850, 0.2933,
0.4004


 113.1549, 0.2987,
0.3814

 33.8942, 0.2904,
0.4101


 143.6253, 0.2999,
0.3772

 22.8123, 0.2866,
0.4228


179.1266, 0.3009,
0.3735

 14.4550, 0.2812,
0.4403

220.0433, 0.3018,
0.3704

 8.4378, 0.2731,
0.4655

266.7596, 0.3025,
0.3677

 4.3763, 0.2599,
0.5049


319.6600, 0.3032,

 1.8862, 0.2381,


0.3653


0.5830


379.1289, 0.3038,
0.3632


 0.5401, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 65.7691, 0.2955,
0.3927


 65.7691, 0.2955,
0.3927


 63.1074, 0.2909,
0.4173

 68.9365, 0.3007,
0.3701


 60.9167, 0.2871,
0.4434

 72.6259, 0.3062,
0.3498

 59.1709, 0.2845,
0.4703

 76.8627, 0.3118,
0.3317

 57.8378, 0.2834,
0.4969

 81.6685, 0.3174,
0.3157

■ 56.8806, 0.2840,
0.5220

■ 83.9694, 0.3139,
0.3029

■ 56.2557, 0.2863,
0.5444

■ 55.9288, 0.2890,
0.5604

Harmonies

Analogous

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



65.7691, 0.3411, 0.4118



65.7691, 0.2955, 0.3927



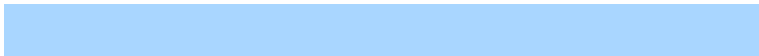
65.7691, 0.2564, 0.3520

Triad

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



65.7691, 0.2955, 0.3927



65.7691, 0.2459, 0.2566



65.7691, 0.3993, 0.3410

Complementary

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



65.7691, 0.2955, 0.3927



44.7229, 0.3358, 0.2730

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.



65.7691, 0.3701, 0.3049



65.7691, 0.2955, 0.3927



65.7691, 0.2799, 0.2581

Square

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



65.7691, 0.2955, 0.3927



65.7691, 0.2296, 0.2730



65.7691, 0.3253, 0.2755



65.7691, 0.4029, 0.3769

Rectangle

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



65.7691, 0.2955, 0.3927



65.7691, 0.2388, 0.3214



65.7691, 0.3253, 0.2755



65.7691, 0.3921, 0.3286

Sweetspot

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



65.7718, 0.2955, 0.3927



94.9205, 0.3076, 0.3450



71.0685, 0.3440, 0.4122



20.1530, 0.3068, 0.3477



0.0000, 0.0000, 0.0000



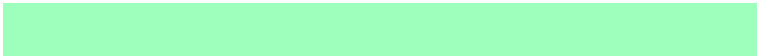
21.4041, 0.3127, 0.3290

Same Dimension

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



65.7718, 0.2955, 0.3927



82.4195, 0.2923, 0.4088



67.3910, 0.2753, 0.3465



16.1614, 0.3074, 0.3457



32.3124, 0.2883, 0.5577



2.4039, 0.2801, 0.5283

Inverse Universe

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



44.7229, 0.3358, 0.2730



51.2030, 0.3422, 0.2610



43.1855, 0.3702, 0.3124



14.5362, 0.3184, 0.3128



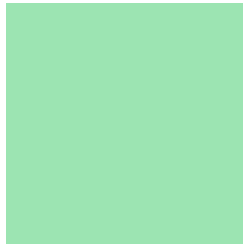
10.9763, 0.4166, 0.2069



0.8275, 0.3992, 0.1973

Previews

White Background



This preview shows how the Yxy color 65.7691, 0.2955, 0.3927 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 65.7691, 0.2955, 0.3927 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

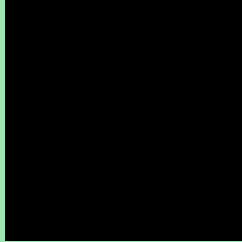
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 65.7691, 0.2955, 0.3927

Background



This preview shows how black text looks on a background with the Yxy color 65.7691, 0.2955, 0.3927.



This preview shows how white text looks on a background with the Yxy color 65.7691, 0.2955, 0.3927.

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**

65.7691, 0.2955, 0.3927

Protanopia

65.3381, 0.3522, 0.3754

Deuteranopia

64.8315, 0.3580, 0.3508



Tritanopia

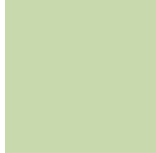
65.6843, 0.2679, 0.3078

Trichromacy



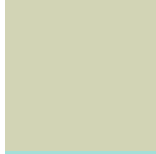
Original Color

65.7691, 0.2955, 0.3927



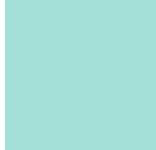
Protanomaly

64.7850, 0.3293, 0.3816



Deuteranomaly

64.1248, 0.3329, 0.3652



Tritanomaly

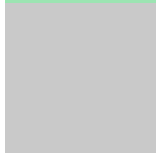
65.6257, 0.2781, 0.3374

Monochromacy



Original Color

65.7691, 0.2955, 0.3927



Achromatopsia

58.4078, 0.3127, 0.3290



Achromatomaly

60.7531, 0.3058, 0.3510

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.7691, 0.2955, 0.3927 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(156, 228, 178)` looks like.

```
.text, #text, p{  
    color:rgb(156, 228, 178)  
}
```

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(156, 228, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 228, 178) }
```

Border

The CSS property to change the border of an element to Yxy 65.7691, 0.2955, 0.3927 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(156, 228, 178) }
```

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

```
.border{ border-color:rgb(156, 228, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 228, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(156, 228, 178); -webkit-box-shadow:4px 4px 4px 4px rgb(156, 228, 178); box-shadow:4px 4px 4px 4px rgb(156, 228, 178) }
```


Background

The CSS property to change the background color of an element to Yxy 65.7691, 0.2955, 0.3927 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 228, 178) }
```

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

```
.background{ background-color: rgb(156,  
228, 178) }
```

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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