

Converting Colors

Yxy(58.0451, 0.3220, 0.4247)

Have a look what the booklet for
Yxy(58.0451, 0.3220, 0.4247)
contains.

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Color

Yxy(58.2353, 0.3222, 0.4256)

Conversions

Conversions Part 1

Format	Color
Hex	A2D78E
RGB	162, 215, 142
RGB Percent	64%, 84%, 56%
CMY	0.3646, 0.1569, 0.4431
CMYK	0.25, 0.00, 0.34, 0.16
HSL	104°, 48%, 70%
HSV	104°, 34%, 84%
XYZ	44.0870, 58.2353, 34.5088
YIQ	190.8310, -8.1550, -33.9390

Conversions

Conversions Part 2

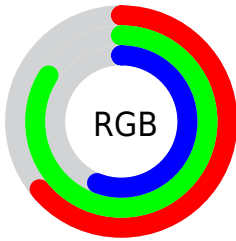
Format	Color
RYB	142, 215, 195
Decimal	10672014
CIELab	80.87, -30.50, 30.66
CIELCh	81, 43.242, 134.850
Yxy	58.2353, 0.3222, 0.4256
Android (android.graphics.Color)	4288862094 (0xFFA2D78E)
YUV	190.8310, -24.0737, -25.2848
Hunter-Lab	76.3121, -30.4232, 26.6071

Details

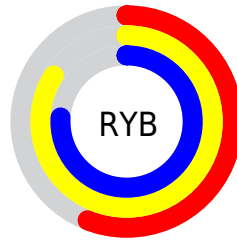
The Yxy color **58.2353, 0.3222, 0.4256** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **35.8528, 0.2979, 0.2404**, and the grayscale version is **52.1469, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.4109, 0.3234, 0.3917**, and **29.1482, 0.3227, 0.4530** is the 20% darker color. If you saturate the color by 10%, you get **56.1188, 0.3238, 0.4583**, and if you desaturate by 10%, it is **60.6842, 0.3198, 0.3943**.

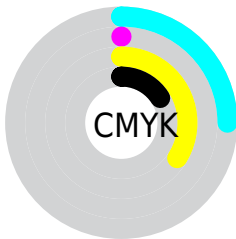
Distribution



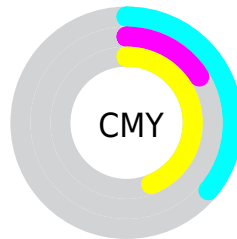
- Red (64%)
- Green (84%)
- Blue (56%)



- Red (56%)
- Yellow (84%)
- Blue (76%)



- Cyan (25%)
- Magenta (0%)
- Yellow (34%)
- Black (16%)





- Cyan (36%)
- Magenta (16%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 58.2353, 0.3222, 0.4256 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 58.2353, 0.3222, 0.4256 by changing the saturation by 10% instead.


 58.2353, 0.3222,
0.4256


 58.2353, 0.3222,
0.4256


418.0621, 0.3191,
0.3769

 41.9978, 0.3225,
0.4378


 102.2654, 0.3214,
0.4079

 29.0996, 0.3225,
0.4533


 130.8269, 0.3210,
0.4012

 19.1562, 0.3220,
0.4739


164.2652, 0.3207,
0.3956

 11.7832, 0.3204,
0.5021

202.9646, 0.3203,
0.3908

 6.5962, 0.3158,
0.5429

247.3096, 0.3200,
0.3866

 3.2109, 0.3101,
0.6182

297.6846, 0.3196,

 1.2428, 0.2431,

0.3830

0.7569

354.4740, 0.3193,
0.3798

■ 0.0963, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 58.2353, 0.3222,
0.4256

■ 58.2353, 0.3222,
0.4256

■ 56.1188, 0.3238,
0.4583

■ 60.6842, 0.3198,
0.3943

■ 54.3125, 0.3245,
0.4911

■ 63.4715, 0.3170,
0.3651

■ 52.8031, 0.3239,
0.5221

■ 66.6126, 0.3140,
0.3387

■ 51.5735, 0.3219,
0.5492

■ 70.1196, 0.3108,
0.3150

 50.6044, 0.3186,
0.5706

 74.0041, 0.3077,
0.2941

 49.8734, 0.3142,
0.5850

 77.0807, 0.3145,
0.2900

 49.5296, 0.3114,
0.5909

Harmonies

Analogous

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



58.2353, 0.3754, 0.4281



58.2353, 0.3222, 0.4256



58.2353, 0.2691, 0.3883

Triad

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



58.2353, 0.3222, 0.4256



58.2353, 0.2188, 0.2499



58.2353, 0.4015, 0.3173

Complementary

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



58.2353, 0.3222, 0.4256



35.8528, 0.2979, 0.2404

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.



58.2353, 0.3523, 0.2785



58.2353, 0.3222, 0.4256



58.2353, 0.2474, 0.2406

Square

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



58.2353, 0.3222, 0.4256



58.2353, 0.2126, 0.2811



58.2353, 0.2951, 0.2513



58.2353, 0.4244, 0.3610

Rectangle

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



58.2353, 0.3222, 0.4256



58.2353, 0.2408, 0.3512



58.2353, 0.2951, 0.2513



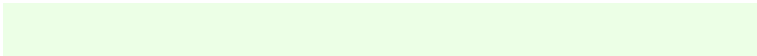
58.2353, 0.3873, 0.3035

Sweetspot

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



58.2378, 0.3222, 0.4256



95.1227, 0.3159, 0.3546



55.1252, 0.3710, 0.3913



20.2228, 0.3163, 0.3584



0.0000, 0.0000, 0.0000



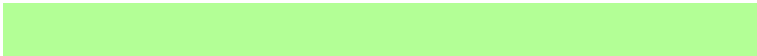
21.4041, 0.3127, 0.3290

Same Dimension

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



58.2378, 0.3222, 0.4256



83.3352, 0.3235, 0.4499



56.8143, 0.2984, 0.4074



14.0591, 0.3157, 0.3528



29.6702, 0.3123, 0.5902



1.8307, 0.3253, 0.5799

Inverse Universe

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



35.8528, 0.2979, 0.2404



45.3979, 0.2936, 0.2203



37.9263, 0.3315, 0.2618



12.4535, 0.3094, 0.3057



7.2189, 0.2528, 0.1166



0.4755, 0.2650, 0.1234

Previews

White Background



This preview shows how the Yxy color 58.2353, 0.3222, 0.4256 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 58.2353, 0.3222, 0.4256 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

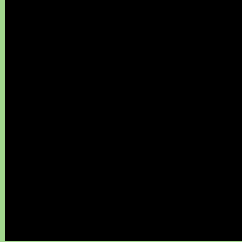
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 58.2353, 0.3222, 0.4256

Background



This preview shows how black text looks on a background with the Yxy color 58.2353, 0.3222, 0.4256.



This preview shows how white text looks on a background with the Yxy color 58.2353, 0.3222, 0.4256.

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

58.2353, 0.3222, 0.4256

Protanopia

57.8378, 0.3752, 0.4040

Deuteranopia

57.8104, 0.3871, 0.3791



Tritanopia

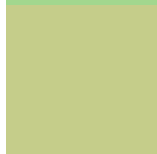
57.9971, 0.2805, 0.3095

Trichromacy



Original Color

58.2353, 0.3222, 0.4256



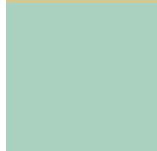
Protanomaly

57.3679, 0.3549, 0.4118



Deuteranomaly

57.0545, 0.3624, 0.3950



Tritanomaly

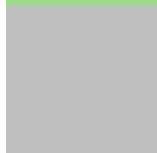
57.9527, 0.2957, 0.3505

Monochromacy



Original Color

58.2353, 0.3222, 0.4256



Achromatopsia

52.0996, 0.3127, 0.3290



Achromatomaly

54.0290, 0.3166, 0.3637

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.2353, 0.3222, 0.4256 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(162, 215, 142)` looks like.

```
.text, #text, p{  
    color:rgb(162, 215, 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(162, 215, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 215, 142) }
```

Border

The CSS property to change the border of an element to Yxy 58.2353, 0.3222, 0.4256 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(162, 215, 142) }
```

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

```
.border{ border-color:rgb(162, 215, 142) }
```

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

Here you see how a box with a 4 pixel rgb(162, 215, 142) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 215, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 215, 142);  
box-shadow:4px 4px 4px 4px rgb(162, 215,  
142) }
```


Background

The CSS property to change the background color of an element to Yxy 58.2353, 0.3222, 0.4256 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 215, 142) }
```

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

```
.background{ background-color: rgb(162,  
215, 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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