

Converting Colors

$Yxy(59.8977, 0.2634, 0.4324)$

Have a look what the booklet for
Yxy(59.8977, 0.2634, 0.4324)
contains.

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Color

Yxy(60.1522, 0.2636, 0.4335)

Conversions

Conversions Part 1

Format	Color
Hex	40E69E
RGB	64, 230, 158
RGB Percent	25%, 90%, 62%
CMY	0.7495, 0.0980, 0.3804
CMYK	0.72, 0.00, 0.31, 0.10
HSL	154°, 77%, 58%
HSV	154°, 72%, 90%
XYZ	36.5770, 60.1522, 42.0302
YIQ	172.1580, -75.8240, -57.5840

Conversions

Conversions Part 2

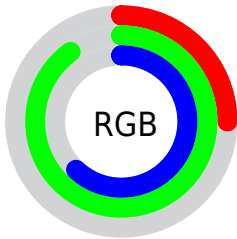
Format	Color
RYB	64, 170, 230
Decimal	4253342
CIELab	81.92, -58.39, 23.21
CIELCh	82, 62.829, 158.325
Yxy	60.1522, 0.2636, 0.4335
Android (android.graphics.Color)	4282443422 (0xFF40E69E)
YUV	172.1580, -6.9799, -94.8546
Hunter-Lab	77.5578, -51.5440, 22.1600

Details

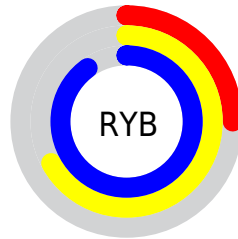
The Yxy color **60.1522, 0.2636, 0.4335** is a light color, and the websafe version is hex **00CC99**. The color can be described as light muted spring green. A complement of this color would be **22.2535, 0.4489, 0.2568**, and the grayscale version is **41.3889, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.3106, 0.2680, 0.3793**, and **30.9277, 0.2613, 0.4606** is the 20% darker color. If you saturate the color by 10%, you get **59.2079, 0.2630, 0.4506**, and if you desaturate by 10%, it is **61.4467, 0.2662, 0.4164**.

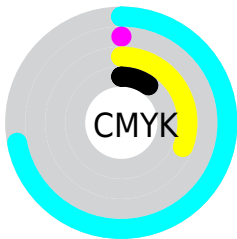
Distribution



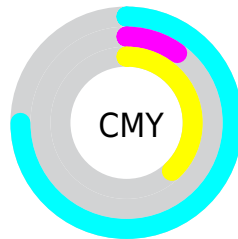
- Red (25%)
- Green (90%)
- Blue (62%)



- Red (25%)
- Yellow (67%)
- Blue (90%)



- Cyan (72%)
- Magenta (0%)
- Yellow (31%)
- Black (10%)





- Cyan (75%)
- Magenta (10%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 60.1522, 0.2636, 0.4335 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 60.1522, 0.2636, 0.4335 by changing the saturation by 10% instead.


 60.1522, 0.2636,
0.4335


 60.1522, 0.2636,
0.4335


425.1585, 0.2887,
0.3801


 43.5413, 0.2572,
0.4471


 105.0504, 0.2728,
0.4139

 30.3101, 0.2490,
0.4646


 134.1066, 0.2762,
0.4066

 20.0741, 0.2380,
0.4880

 168.0799, 0.2791,
0.4005

 12.4489, 0.2226,
0.5209

 207.3548, 0.2816,
0.3952

 7.0502, 0.1998,
0.5696

252.3158, 0.2837,
0.3907

 3.4935, 0.1634,
0.6474

303.3471, 0.2856,

 1.3945, 0.0000,

0.3867

1.0000

360.8332, 0.2872,
0.3832

■ 0.2126, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 60.1522, 0.2636,
0.4335

■ 60.1522, 0.2636,
0.4335

■ 59.2079, 0.2630,
0.4506

■ 61.4467, 0.2662,
0.4164


■ 58.5640, 0.2644,
0.4673


■ 63.1196, 0.2707,
0.3998


■ 58.2197, 0.2666,
0.4798

■ 65.2044, 0.2768,
0.3839


■ 67.7286, 0.2842,
0.3689

 70.7174, 0.2925,
0.3552

 74.1941, 0.3014,
0.3426

 78.1803, 0.3106,
0.3313

 82.6963, 0.3200,
0.3213

 84.6205, 0.3185,
0.3118

Harmonies

Analogous

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



60.1522, 0.3389, 0.4768



60.1522, 0.2636, 0.4335



60.1522, 0.2058, 0.3492

Triad

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



60.1522, 0.2636, 0.4335



60.1522, 0.2110, 0.2082



60.1522, 0.4695, 0.3547

Complementary

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



60.1522, 0.2636, 0.4335



22.2535, 0.4489, 0.2568

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.



60.1522, 0.4275, 0.2978



60.1522, 0.2636, 0.4335



60.1522, 0.2701, 0.2180

Square

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



60.1522, 0.2636, 0.4335



60.1522, 0.1800, 0.2244



60.1522, 0.3501, 0.2497



60.1522, 0.4610, 0.4131

Rectangle

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



60.1522, 0.2636, 0.4335



60.1522, 0.1836, 0.2944



60.1522, 0.3501, 0.2497



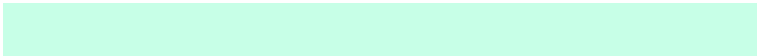
60.1522, 0.4610, 0.3352

Sweetspot

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



60.1546, 0.2636, 0.4335



89.4000, 0.2925, 0.3550



62.4269, 0.3402, 0.5335



18.9016, 0.2902, 0.3587



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.



60.1546, 0.2636, 0.4335



74.3433, 0.2635, 0.4595



58.8858, 0.2290, 0.3178



16.2253, 0.3039, 0.3394



32.9822, 0.2659, 0.4773



2.4558, 0.2593, 0.4535

Inverse Universe

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



22.2535, 0.4489, 0.2568



23.9494, 0.4932, 0.2580



21.8534, 0.5530, 0.3367



14.4712, 0.3225, 0.3189



10.0654, 0.5234, 0.2657



0.7621, 0.4866, 0.2454

Previews

White Background



This preview shows how the Yxy color 60.1522, 0.2636, 0.4335 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 60.1522, 0.2636, 0.4335 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

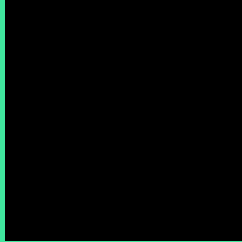
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 60.1522, 0.2636, 0.4335

Background



This preview shows how black text looks on a background with the Yxy color 60.1522, 0.2636, 0.4335.



This preview shows how white text looks on a background with the Yxy color 60.1522, 0.2636, 0.4335.

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

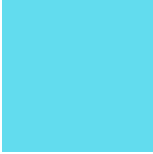
60.1522, 0.2636, 0.4335

Protanopia

59.0371, 0.3677, 0.3958

Deuteranopia

58.8292, 0.3683, 0.3605



Tritanopia

59.9561, 0.2350, 0.3058

Trichromacy



Original Color

60.1522, 0.2636, 0.4335



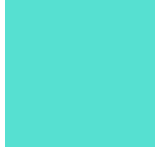
Protanomaly

56.8660, 0.3167, 0.4117



Deuteranomaly

56.0406, 0.3168, 0.3864



Tritanomaly

59.8932, 0.2448, 0.3491

Monochromacy



Original Color

60.1522, 0.2636, 0.4335



Achromatopsia

41.2543, 0.3127, 0.3290



Achromatomaly

45.9165, 0.2853, 0.3668

CSS Examples

Text

The CSS property to change the color of the text to Yxy 60.1522, 0.2636, 0.4335 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(64, 230, 158)` looks like.

```
.text, #text, p{  
    color:rgb(64, 230, 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(64, 230, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 230, 158) }
```

Border

The CSS property to change the border of an element to Yxy 60.1522, 0.2636, 0.4335 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(64, 230, 158) }
```

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

```
.border{ border-color:rgb(64, 230, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 230, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 230, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 230, 158);  
box-shadow:4px 4px 4px 4px rgb(64, 230,  
158) }
```


Background

The CSS property to change the background color of an element to Yxy 60.1522, 0.2636, 0.4335 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 230, 158) }
```

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

```
.background{ background-color: rgb(64, 230,  
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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