

Converting Colors

$Yxy(40.1757, 0.2643, 0.4628)$

Have a look what the booklet for
Yxy(40.1757, 0.2643, 0.4628)
contains.

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Color

Yxy(40.0622, 0.2643, 0.4625)

Conversions

Conversions Part 1

Format	Color
Hex	16C276
RGB	22, 194, 118
RGB Percent	9%, 76%, 46%
CMY	0.9134, 0.2392, 0.5373
CMYK	0.89, 0.00, 0.39, 0.24
HSL	153°, 80%, 42%
HSV	153°, 89%, 76%
XYZ	22.8939, 40.0622, 23.6648
YIQ	133.9080, -78.1160, -60.1000

Conversions

Conversions Part 2

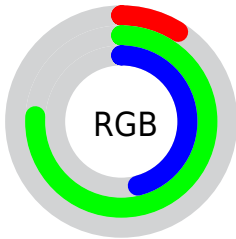
Format	Color
RYB	22, 132, 194
Decimal	1491574
CIELab	69.51, -57.50, 27.19
CIELCh	70, 63.601, 154.691
Yxy	40.0622, 0.2643, 0.4625
Android (android.graphics.Color)	4279681654 (0xFF16C276)
YUV	133.9080, -7.8426, -98.1433
Hunter-Lab	63.2947, -46.2016, 22.1387

Details

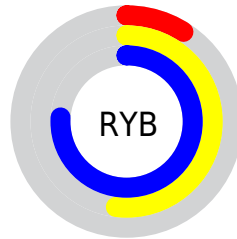
The Yxy color **40.0622, 0.2643, 0.4625** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark washed spring green. A complement of this color would be **12.9304, 0.4905, 0.2563**, and the grayscale version is **23.8660, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.4446, 0.2748, 0.4342**, and **18.8949, 0.2717, 0.4981** is the 20% darker color. If you saturate the color by 10%, you get **39.7148, 0.2667, 0.4790**, and if you desaturate by 10%, it is **40.5871, 0.2637, 0.4454**.

Distribution



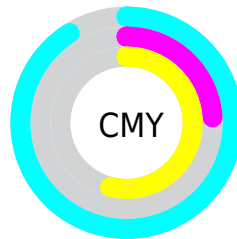
- Red (9%)
- Green (76%)
- Blue (46%)



- Red (9%)
- Yellow (52%)
- Blue (76%)



- Cyan (89%)
- Magenta (0%)
- Yellow (39%)
- Black (24%)





- Cyan (91%)
- Magenta (24%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.0622, 0.2643, 0.4625 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 40.0622, 0.2643, 0.4625 by changing the saturation by 10% instead.


 40.0622, 0.2643,
0.4625


 40.0622, 0.2643,
0.4625


346.3857, 0.2917,
0.3890

 27.5870, 0.2563,
0.4832


 75.2582, 0.2751,
0.4341

 18.0146, 0.2454,
0.5111

 98.7479, 0.2789,
0.4240

 10.9605, 0.2295,
0.5506


 126.6778, 0.2820,
0.4156

 6.0403, 0.2048,
0.6099

 159.4324, 0.2846,
0.4085

 2.8696, 0.1636,
0.7227

 197.3961, 0.2867,
0.4026

 1.0640, 0.0000,
1.0000

240.9533, 0.2886,

 0.0000, 0.0000,

0.3974

0.0000

290.4884, 0.2903,
0.3929

■ 40.0622, 0.2643,
0.4625

■ 40.0622, 0.2643,
0.4625

■ 39.7148, 0.2667,
0.4790

■ 40.5871, 0.2637,
0.4454

■ 39.6719, 0.2670,
0.4813

■ 41.3264, 0.2651,
0.4281

■ 42.3077, 0.2685,
0.4110

■ 43.5530, 0.2736,
0.3945

■ 45.0817, 0.2801,
0.3788

■ 46.9113, 0.2876,
0.3641

■ 49.0581, 0.2960,
0.3507

■ 51.5369, 0.3049,
0.3385

■ 54.3617, 0.3140,
0.3276

Harmonies

Analogous

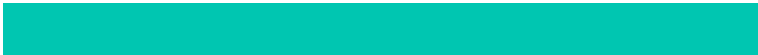
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



40.0622, 0.3503, 0.5026



40.0622, 0.2643, 0.4625



40.0622, 0.1964, 0.3639

Triad

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



40.0622, 0.2643, 0.4625



40.0622, 0.1916, 0.1932



40.0622, 0.4909, 0.3469

Complementary

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



40.0622, 0.2643, 0.4625



12.9304, 0.4905, 0.2563

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.



40.0622, 0.4362, 0.2851



40.0622, 0.2643, 0.4625



40.0622, 0.2535, 0.2014

Square

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



40.0622, 0.2643, 0.4625



40.0622, 0.1614, 0.2137



40.0622, 0.3433, 0.2338



40.0622, 0.4855, 0.4126

Rectangle

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



40.0622, 0.2643, 0.4625



40.0622, 0.1696, 0.2976



40.0622, 0.3433, 0.2338



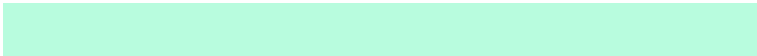
40.0622, 0.4791, 0.3256

Sweetspot

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



40.0638, 0.2643, 0.4625



85.4207, 0.2886, 0.3625



41.3206, 0.3356, 0.5630



18.4342, 0.2858, 0.3674



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.



40.0638, 0.2643, 0.4625



71.8222, 0.2677, 0.4837



38.9347, 0.2226, 0.3151



11.3508, 0.3042, 0.3394



26.0994, 0.2664, 0.4791



1.1414, 0.2561, 0.4421

Inverse Universe

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



12.9304, 0.4905, 0.2563



21.9407, 0.5249, 0.2665



12.4914, 0.6127, 0.3346



10.1502, 0.3221, 0.3189



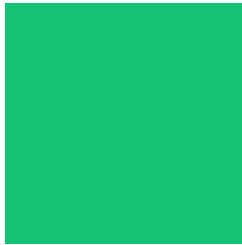
7.9960, 0.5179, 0.2627



0.3593, 0.4630, 0.2324

Previews

White Background



This preview shows how the Yxy color 40.0622, 0.2643, 0.4625 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 40.0622, 0.2643, 0.4625 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 40.0622, 0.2643, 0.4625

Background



This preview shows how black text looks on a background with the Yxy color 40.0622, 0.2643, 0.4625.

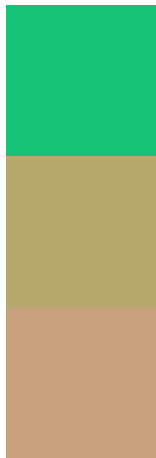


This preview shows how white text looks on a background with the Yxy color 40.0622, 0.2643, 0.4625.

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

40.0622, 0.2643, 0.4625

Protanopia

39.1553, 0.3805, 0.4112

Deuteranopia

39.1382, 0.3838, 0.3749



Tritanopia

39.7822, 0.2317, 0.3060

Trichromacy



Original Color

40.0622, 0.2643, 0.4625



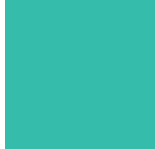
Protanomaly

36.8992, 0.3176, 0.4347



Deuteranomaly

36.4681, 0.3194, 0.4086



Tritanomaly

39.6530, 0.2418, 0.3582

Monochromacy



Original Color

40.0622, 0.2643, 0.4625



Achromatopsia

23.8398, 0.3127, 0.3290



Achromatomaly

27.6626, 0.2794, 0.3807

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.0622, 0.2643, 0.4625 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(22, 194, 118)` looks like.

```
.text, #text, p{  
    color:rgb(22, 194, 118)  
}
```

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(22, 194, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(22, 194, 118) }
```

Border

The CSS property to change the border of an element to Yxy 40.0622, 0.2643, 0.4625 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(22, 194, 118) }
```

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

```
.border{ border-color:rgb(22, 194, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(22, 194, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(22, 194, 118); -webkit-box-shadow:4px 4px 4px 4px rgb(22, 194, 118); box-shadow:4px 4px 4px 4px rgb(22, 194, 118) }
```


Background

The CSS property to change the background color of an element to Yxy 40.0622, 0.2643, 0.4625 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(22, 194, 118) }
```

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

```
.background{ background-color: rgb(22, 194,  
118) }
```

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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