

Converting Colors

$Yxy(40.1840, 0.2821, 0.4803)$

Have a look what the booklet for
Yxy(40.1840, 0.2821, 0.4803)
contains.

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Color

Yxy(40.1840, 0.2821, 0.4803)

Conversions

Conversions Part 1

Format	Color
Hex	3EC169
RGB	62, 193, 105
RGB Percent	24%, 76%, 41%
CMY	0.7573, 0.2431, 0.5882
CMYK	0.68, 0.00, 0.46, 0.24
HSL	140°, 51%, 50%
HSV	140°, 68%, 76%
XYZ	23.6017, 40.1840, 19.8787
YIQ	143.7990, -49.8280, -55.1400

Conversions

Conversions Part 2

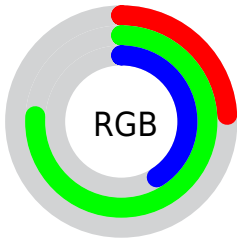
Format	Color
RYB	62, 161, 193
Decimal	4112745
CIELab	69.60, -54.70, 34.13
CIELCh	70, 64.470, 148.037
Yxy	40.1840, 0.2821, 0.4803
Android (android.graphics.Color)	4282302825 (0xFF3EC169)
YUV	143.7990, -19.1279, -71.7377
Hunter-Lab	63.3909, -44.4748, 25.7809

Details

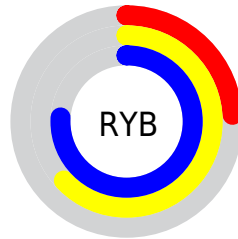
The Yxy color **40.1840, 0.2821, 0.4803** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark muted spring green. A complement of this color would be **16.9716, 0.3807, 0.2212**, and the grayscale version is **27.8878, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.1655, 0.2905, 0.4481**, and **18.4625, 0.2796, 0.5267** is the 20% darker color. If you saturate the color by 10%, you get **39.4233, 0.2819, 0.5054**, and if you desaturate by 10%, it is **41.2100, 0.2840, 0.4544**.

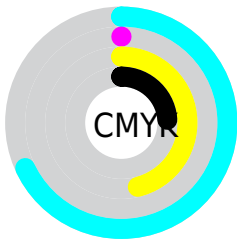
Distribution



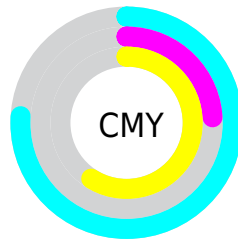
- Red (24%)
- Green (76%)
- Blue (41%)



- Red (24%)
- Yellow (63%)
- Blue (76%)



- Cyan (68%)
- Magenta (0%)
- Yellow (46%)
- Black (24%)





- Cyan (76%)
- Magenta (24%)
- Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.1840, 0.2821, 0.4803 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 40.1840, 0.2821, 0.4803 by changing the saturation by 10% instead.


 40.1840, 0.2821,
0.4803


 40.1840, 0.2821,
0.4803


346.8985, 0.3012,
0.3969

 27.6820, 0.2758,
0.5036


 75.4436, 0.2901,
0.4481


 18.0861, 0.2668,
0.5349


 98.9701, 0.2928,
0.4366


 11.0118, 0.2529,
0.5788


 126.9401, 0.2949,
0.4271

 6.0748, 0.2298,
0.6432

 159.7382, 0.2967,
0.4191

 2.8906, 0.2010,
0.7990

 197.7487, 0.2981,
0.4123

 1.0749, 0.0000,
1.0000

241.3560, 0.2993,

 0.0000, 0.0000,

0.4065

0.0000

290.9444, 0.3003,
0.4014

■ 40.1840, 0.2821,
0.4803

■ 40.1840, 0.2821,
0.4803

■ 39.4233, 0.2819,
0.5054

■ 41.2100, 0.2840,
0.4544

■ 38.8964, 0.2834,
0.5287

■ 42.5191, 0.2872,
0.4289

■ 38.5656, 0.2863,
0.5491

■ 44.1332, 0.2915,
0.4044

■ 38.5089, 0.2869,
0.5530

■ 46.0708, 0.2967,
0.3817

■ 48.3487, 0.3022,
0.3609

■ 50.9825, 0.3081,
0.3423

■ 53.9870, 0.3139,
0.3257

■ 57.3761, 0.3197,
0.3112

■ 61.1628, 0.3253,
0.2984

Harmonies

Analogous

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



40.1840, 0.3698, 0.5031



40.1840, 0.2821, 0.4803



40.1840, 0.2075, 0.3883

Triad

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



40.1840, 0.2821, 0.4803



40.1840, 0.1809, 0.1937



40.1840, 0.4859, 0.3325

Complementary

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



40.1840, 0.2821, 0.4803



16.9716, 0.3807, 0.2212

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.



40.1840, 0.4187, 0.2718



40.1840, 0.2821, 0.4803



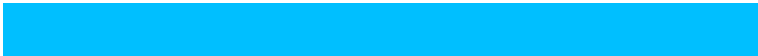
40.1840, 0.2361, 0.1961

Square

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



40.1840, 0.2821, 0.4803



40.1840, 0.1574, 0.2215



40.1840, 0.3218, 0.2237



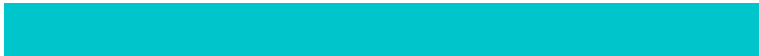
40.1840, 0.4936, 0.3983

Rectangle

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



40.1840, 0.2821, 0.4803



40.1840, 0.1753, 0.3180



40.1840, 0.3218, 0.2237



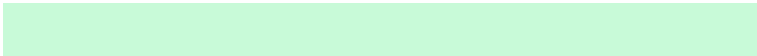
40.1840, 0.4694, 0.3114

Sweetspot

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



40.1856, 0.2821, 0.4803



85.5536, 0.3009, 0.3657



45.1178, 0.3667, 0.5045



18.1017, 0.2993, 0.3715



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



40.1856, 0.2821, 0.4803



70.0445, 0.2825, 0.5182



42.0291, 0.2466, 0.3674



11.3122, 0.3072, 0.3448



25.6230, 0.2863, 0.5506



1.1200, 0.2731, 0.5032

Inverse Universe

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



16.9716, 0.3807, 0.2212



25.5799, 0.4025, 0.2109



15.4437, 0.4952, 0.3012



10.1894, 0.3187, 0.3137



8.6198, 0.4243, 0.2111



0.3847, 0.3958, 0.1954

Previews

White Background



This preview shows how the Yxy color 40.1840, 0.2821, 0.4803 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 40.1840, 0.2821, 0.4803 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 40.1840, 0.2821, 0.4803

Background



This preview shows how black text looks on a background with the Yxy color 40.1840, 0.2821, 0.4803.



This preview shows how white text looks on a background with the Yxy color 40.1840, 0.2821, 0.4803.

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

40.1840, 0.2821, 0.4803

Protanopia

39.5348, 0.3920, 0.4268

Deuteranopia

39.2385, 0.3992, 0.3908



Tritanopia

40.1735, 0.2408, 0.3078

Trichromacy



Original Color

40.1840, 0.2821, 0.4803



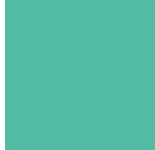
Protanomaly

38.3171, 0.3411, 0.4509



Deuteranomaly

37.5922, 0.3448, 0.4247



Tritanomaly

39.9703, 0.2552, 0.3660

Monochromacy



Original Color

40.1840, 0.2821, 0.4803



Achromatopsia

27.8894, 0.3127, 0.3290



Achromatomaly

31.0298, 0.2958, 0.3842

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.1840, 0.2821, 0.4803 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(62, 193, 105)` looks like.

```
.text, #text, p{  
    color:rgb(62, 193, 105)  
}
```

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(62, 193, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 193, 105) }
```

Border

The CSS property to change the border of an element to Yxy 40.1840, 0.2821, 0.4803 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(62, 193, 105) }
```

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

```
.border{ border-color:rgb(62, 193, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(62, 193, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 193, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 193, 105);  
box-shadow:4px 4px 4px 4px rgb(62, 193,  
105) }
```


Background

The CSS property to change the background color of an element to Yxy 40.1840, 0.2821, 0.4803 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 193, 105) }
```

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

```
.background{ background-color: rgb(62, 193,  
105) }
```

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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