

Converting Colors

$Yxy(34.5365, 0.2836, 0.4777)$

Have a look what the booklet for
Yxy(34.5365, 0.2836, 0.4777)
contains.

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Color

Yxy(34.5485, 0.2841, 0.4785)

Conversions

Conversions Part 1

Format	Color
Hex	3EB462
RGB	62, 180, 98
RGB Percent	24%, 71%, 38%
CMY	0.7568, 0.2941, 0.6157
CMYK	0.66, 0.00, 0.46, 0.29
HSL	138°, 49%, 47%
HSV	138°, 66%, 71%
XYZ	20.5125, 34.5485, 17.1407
YIQ	135.3700, -44.0060, -50.5180

Conversions

Conversions Part 2

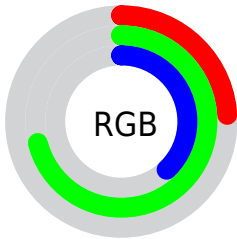
Format	Color
RYB	62, 152, 180
Decimal	4109410
CIELab	65.40, -50.93, 32.35
CIElCh	65, 60.333, 147.579
Yxy	34.5485, 0.2841, 0.4785
Android (android.graphics.Color)	4282299490 (0xFF3EB462)
YUV	135.3700, -18.4234, -64.3455
Hunter-Lab	58.7780, -40.5680, 23.8546

Details

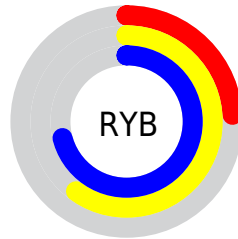
The Yxy color **34.5485, 0.2841, 0.4785** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **15.1640, 0.3723, 0.2207**, and the grayscale version is **24.4565, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.9080, 0.2917, 0.4455**, and **15.1435, 0.2806, 0.5301** is the 20% darker color. If you saturate the color by 10%, you get **33.8430, 0.2835, 0.5045**, and if you desaturate by 10%, it is **35.4865, 0.2862, 0.4519**.

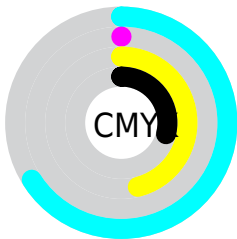
Distribution



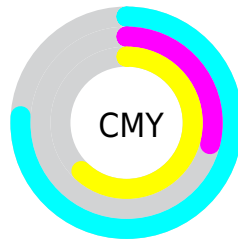
- Red (24%)
- Green (71%)
- Blue (38%)



- Red (24%)
- Yellow (60%)
- Blue (71%)



- Cyan (66%)
- Magenta (0%)
- Yellow (46%)
- Black (29%)



- Cyan (76%)
- Magenta (29%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.5485, 0.2841, 0.4785 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 34.5485, 0.2841, 0.4785 by changing the saturation by 10% instead.


 34.5485, 0.2841,
0.4785


 34.5485, 0.2841,
0.4785


322.5709, 0.3025,
0.3943


 23.3153, 0.2778,
0.5029

 66.7857, 0.2920,
0.4455

 14.8265, 0.2684,
0.5361


 88.5585, 0.2945,
0.4338


 8.6977, 0.2534,
0.5838


 114.6133, 0.2966,
0.4243

 4.5445, 0.2277,
0.6567

 145.3345, 0.2982,
0.4163

 1.9826, 0.1597,
0.8403

 181.1065, 0.2996,
0.4095

 0.5973, 0.0000,
1.0000

222.3136, 0.3007,

 0.0000, 0.0000,

0.4037

0.0000

269.3403, 0.3017,
0.3987

■ 34.5485, 0.2841,
0.4785

■ 34.5485, 0.2841,
0.4785

■ 33.8430, 0.2835,
0.5045

■ 35.4865, 0.2862,
0.4519

■ 33.3442, 0.2845,
0.5286

■ 36.6714, 0.2896,
0.4258

■ 33.0266, 0.2871,
0.5497

■ 38.1216, 0.2939,
0.4010

■ 32.9186, 0.2884,
0.5581

■ 39.8522, 0.2988,
0.3780

■ 41.8774, 0.3042,
0.3571

■ 44.2104, 0.3097,
0.3384

■ 46.8634, 0.3151,
0.3219

■ 49.8481, 0.3205,
0.3074

■ 53.1755, 0.3257,
0.2946

Harmonies

Analogous

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



34.5485, 0.3707, 0.5002



34.5485, 0.2841, 0.4785



34.5485, 0.2100, 0.3890

Triad

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



34.5485, 0.2841, 0.4785



34.5485, 0.1820, 0.1957



34.5485, 0.4826, 0.3318

Complementary

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



34.5485, 0.2841, 0.4785



15.1640, 0.3723, 0.2207

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.



34.5485, 0.4157, 0.2718



34.5485, 0.2841, 0.4785



34.5485, 0.2362, 0.1975

Square

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



34.5485, 0.2841, 0.4785



34.5485, 0.1592, 0.2238



34.5485, 0.3203, 0.2244



34.5485, 0.4914, 0.3968

Rectangle

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



34.5485, 0.2841, 0.4785



34.5485, 0.1777, 0.3199



34.5485, 0.3203, 0.2244



34.5485, 0.4660, 0.3109

Sweetspot

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



34.5499, 0.2841, 0.4785



74.1024, 0.3016, 0.3669



38.9756, 0.3676, 0.4975



15.8006, 0.3001, 0.3727



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



34.5499, 0.2841, 0.4785



60.8837, 0.2838, 0.5163



36.0822, 0.2491, 0.3692



9.5314, 0.3076, 0.3452



22.9850, 0.2878, 0.5559



0.7339, 0.2712, 0.4963

Inverse Universe

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



15.1640, 0.3723, 0.2207



23.0306, 0.3912, 0.2082



13.8154, 0.4803, 0.2988



8.6017, 0.3182, 0.3133



7.8200, 0.4148, 0.2059



0.2559, 0.3830, 0.1883

Previews

White Background



This preview shows how the Yxy color 34.5485, 0.2841, 0.4785 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 34.5485, 0.2841, 0.4785 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 34.5485, 0.2841, 0.4785

Background



This preview shows how black text looks on a background with the Yxy color 34.5485, 0.2841, 0.4785.



This preview shows how white text looks on a background with the Yxy color 34.5485, 0.2841, 0.4785.

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

34.5485, 0.2841, 0.4785

Protanopia

34.0761, 0.3914, 0.4260

Deuteranopia

33.9720, 0.3992, 0.3920



Tritanopia

34.3340, 0.2423, 0.3065

Trichromacy



Original Color

34.5485, 0.2841, 0.4785



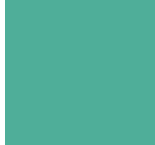
Protanomaly

33.0493, 0.3429, 0.4482



Deuteranomaly

32.6396, 0.3472, 0.4253



Tritanomaly

34.2343, 0.2570, 0.3649

Monochromacy



Original Color

34.5485, 0.2841, 0.4785



Achromatopsia

24.2281, 0.3127, 0.3290



Achromatomaly

26.7265, 0.2968, 0.3820

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.5485, 0.2841, 0.4785 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, 180, 98)` looks like.

```
.text, #text, p{  
    color:rgb(62, 180, 98)  
}
```

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, 180, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 180, 98) }
```

Border

The CSS property to change the border of an element to Yxy 34.5485, 0.2841, 0.4785 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, 180, 98) }
```

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

```
.border{ border-color:rgb(62, 180, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(62, 180, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 180, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 180, 98);  
box-shadow:4px 4px 4px 4px rgb(62, 180,  
98) }
```


Background

The CSS property to change the background color of an element to Yxy 34.5485, 0.2841, 0.4785 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 180, 98) }
```

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

```
.background{ background-color: rgb(62, 180,  
98) }
```

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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