

Converting Colors

$Y_{xy}(34.2580, 0.2565, 0.4134)$

Have a look what the booklet for
Yxy(34.2580, 0.2565, 0.4134)
contains.

Yxy(34.4640, 0.2569, 0.4143)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(34.4640, 0.2569, 0.4143)

Conversions

Conversions Part 1

Format	Color
Hex	2DB384
RGB	45, 179, 132
RGB Percent	18%, 70%, 52%
CMY	0.8230, 0.2981, 0.4824
CMYK	0.75, 0.00, 0.26, 0.30
HSL	159°, 60%, 44%
HSV	159°, 75%, 70%
XYZ	21.3705, 34.4640, 27.3516
YIQ	133.5760, -64.7770, -43.0250

Conversions

Conversions Part 2

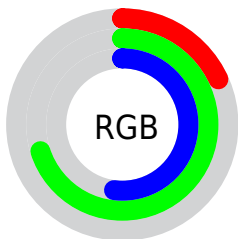
Format	Color
RYB	45, 126, 179
Decimal	2995076
CIELab	65.33, -46.52, 14.03
CIELCh	65, 48.588, 163.218
Yxy	34.4640, 0.2569, 0.4143
Android (android.graphics.Color)	4281185156 (0xFF2DB384)
YUV	133.5760, -0.7770, -77.6812
Hunter-Lab	58.7060, -37.7570, 13.4706

Details

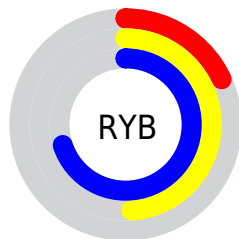
The Yxy color **34.4640, 0.2569, 0.4143** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **12.2449, 0.4760, 0.2715**, and the grayscale version is **23.7105, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.8732, 0.2687, 0.3966**, and **15.2764, 0.2560, 0.4415** is the 20% darker color. If you saturate the color by 10%, you get **33.9738, 0.2559, 0.4278**, and if you desaturate by 10%, it is **35.1395, 0.2599, 0.4009**.

Distribution



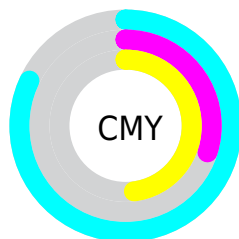
- Red (18%)
- Green (70%)
- Blue (52%)



- Red (18%)
- Yellow (49%)
- Blue (70%)



- Cyan (75%)
- Magenta (0%)
- Yellow (26%)
- Black (30%)





- Cyan (82%)
- Magenta (30%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.4640, 0.2569, 0.4143 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 34.4640, 0.2569, 0.4143 by changing the saturation by 10% instead.

 34.4640, 0.2569,
0.4143

 34.4640, 0.2569,
0.4143


322.1961, 0.2872,
0.3673


 23.2503, 0.2485,
0.4277

 66.6546, 0.2685,
0.3960


 14.7784, 0.2372,
0.4460


 88.4002, 0.2727,
0.3895


 8.6640, 0.2212,
0.4724


 114.4253, 0.2761,
0.3842

 4.5227, 0.1969,
0.5135

 145.1142, 0.2790,
0.3797

 1.9700, 0.1440,
0.5944

 180.8514, 0.2815,
0.3759

 0.5900, 0.0000,
1.0000

222.0211, 0.2837,

 0.0000, 0.0000,

0.3726

0.0000

269.0079, 0.2855,
0.3698

■ 34.4640, 0.2569,
0.4143

■ 34.4640, 0.2569,
0.4143

■ 33.9738, 0.2559,
0.4278

■ 35.1395, 0.2599,
0.4009

■ 33.6411, 0.2568,
0.4410

■ 36.0158, 0.2647,
0.3878

■ 33.5032, 0.2578,
0.4479

■ 37.1111, 0.2712,
0.3753

■ 38.4407, 0.2790,
0.3634

■ 40.0181, 0.2879,
0.3524

■ 41.8561, 0.2976,
0.3423

■ 43.9665, 0.3078,
0.3331

■ 46.3602, 0.3182,
0.3248

■ 49.0478, 0.3286,
0.3175

Harmonies

Analogous

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



34.4640, 0.3263, 0.4631



34.4640, 0.2569, 0.4143



34.4640, 0.2062, 0.3351

Triad

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



34.4640, 0.2569, 0.4143



34.4640, 0.2246, 0.2152



34.4640, 0.4610, 0.3634

Complementary

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



34.4640, 0.2569, 0.4143



12.2449, 0.4760, 0.2715

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.



34.4640, 0.4289, 0.3087



34.4640, 0.2569, 0.4143



34.4640, 0.2844, 0.2279

Square

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



34.4640, 0.2569, 0.4143



34.4640, 0.1906, 0.2266



34.4640, 0.3606, 0.2610



34.4640, 0.4466, 0.4177

Rectangle

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



34.4640, 0.2569, 0.4143



34.4640, 0.1881, 0.2865



34.4640, 0.3606, 0.2610



34.4640, 0.4555, 0.3448

Sweetspot

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



34.4654, 0.2569, 0.4143



72.4264, 0.2902, 0.3499



34.8203, 0.3310, 0.5428



15.8623, 0.2877, 0.3527



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.



34.4654, 0.2569, 0.4143



60.4194, 0.2563, 0.4367



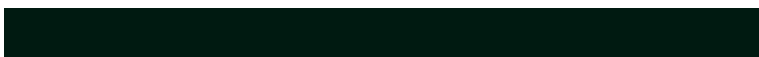
29.3566, 0.2233, 0.2980



9.5799, 0.3031, 0.3371



23.6886, 0.2573, 0.4464



0.7559, 0.2471, 0.4095

Inverse Universe

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



12.2449, 0.4760, 0.2715



18.6396, 0.5311, 0.2770



13.3262, 0.5465, 0.3494



8.5529, 0.3234, 0.3210



7.0361, 0.5536, 0.2824



0.2327, 0.4753, 0.2392

Previews

White Background



This preview shows how the Yxy color 34.4640, 0.2569, 0.4143 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 34.4640, 0.2569, 0.4143 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

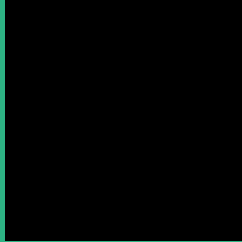
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.4640, 0.2569, 0.4143

Background



This preview shows how black text looks on a background with the Yxy color 34.4640, 0.2569, 0.4143.



This preview shows how white text looks on a background with the Yxy color 34.4640, 0.2569, 0.4143.

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

34.4640, 0.2569, 0.4143

Protanopia

33.8439, 0.3570, 0.3810

Deuteranopia

33.9947, 0.3556, 0.3490



Tritanopia

34.3898, 0.2334, 0.3062

Trichromacy



Original Color

34.4640, 0.2569, 0.4143



Protanomaly

32.6276, 0.3069, 0.3945



Deuteranomaly

32.4435, 0.3061, 0.3716



Tritanomaly

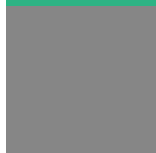
34.4373, 0.2418, 0.3441

Monochromacy



Original Color

34.4640, 0.2569, 0.4143



Achromatopsia

23.8398, 0.3127, 0.3290



Achromatomaly

26.3309, 0.2819, 0.3600

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.4640, 0.2569, 0.4143 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(45, 179, 132)` looks like.

```
.text, #text, p{  
    color:rgb(45, 179, 132)  
}
```

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(45, 179, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 179, 132) }
```

Border

The CSS property to change the border of an element to Yxy 34.4640, 0.2569, 0.4143 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(45, 179, 132) }
```

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

```
.border{ border-color:rgb(45, 179, 132) }
```

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

Here you see how a box with a 4 pixel rgb(45, 179, 132) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 179, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 179, 132);  
box-shadow:4px 4px 4px 4px rgb(45, 179,  
132) }
```


Background

The CSS property to change the background color of an element to Yxy 34.4640, 0.2569, 0.4143 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 179, 132) }
```

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

```
.background{ background-color: rgb(45, 179,  
132) }
```

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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