

Converting Colors

$Y_{xy}(35.3245, 0.2706, 0.4548)$

Have a look what the booklet for
Yxy(35.3245, 0.2706, 0.4548)
contains.

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Color

Yxy(35.3263, 0.2706, 0.4547)

Conversions

Conversions Part 1

Format	Color
Hex	32B671
RGB	50, 182, 113
RGB Percent	20%, 71%, 44%
CMY	0.8041, 0.2863, 0.5567
CMYK	0.73, 0.00, 0.38, 0.29
HSL	149°, 57%, 45%
HSV	149°, 73%, 71%
XYZ	21.0233, 35.3263, 21.3418
YIQ	134.6660, -56.5230, -49.4430

Conversions

Conversions Part 2

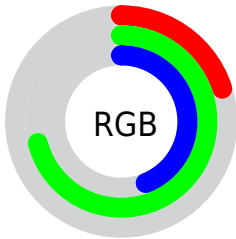
Format	Color
RYB	50, 139, 182
Decimal	3323505
CIELab	66.00, -51.07, 25.21
CIELCh	66, 56.955, 153.733
Yxy	35.3263, 0.2706, 0.4547
Android (android.graphics.Color)	4281513585 (0xFF32B671)
YUV	134.6660, -10.6813, -74.2521
Hunter-Lab	59.4359, -40.8750, 20.3157

Details

The Yxy color **35.3263, 0.2706, 0.4547** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **13.5526, 0.4235, 0.2416**, and the grayscale version is **24.1505, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.0270, 0.2805, 0.4278**, and **15.8085, 0.2710, 0.4956** is the 20% darker color. If you saturate the color by 10%, you get **34.7509, 0.2705, 0.4749**, and if you desaturate by 10%, it is **36.1108, 0.2727, 0.4343**.

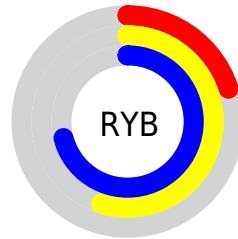
Distribution



Red (20%)

Green (71%)

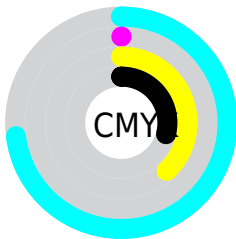
Blue (44%)



Red (20%)

Yellow (55%)

Blue (71%)

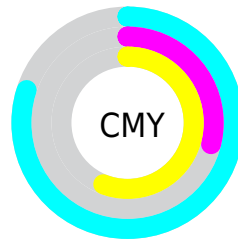


Cyan (73%)

Magenta (0%)

Yellow (38%)

Black (29%)



Cyan (80%)


Magenta (29%)

Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.3263, 0.2706, 0.4547 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 35.3263, 0.2706, 0.4547 by changing the saturation by 10% instead.


 35.3263, 0.2706,
0.4547


 35.3263, 0.2706,
0.4547


326.0063, 0.2949,
0.3844

 23.9143, 0.2632,
0.4750


 67.9910, 0.2803,
0.4272

 15.2701, 0.2529,
0.5028


 90.0124, 0.2837,
0.4175


 9.0092, 0.2375,
0.5429


 116.3392, 0.2865,
0.4095

 4.7472, 0.2127,
0.6048

 147.3557, 0.2887,
0.4028

 2.0997, 0.1616,
0.7767

 183.4462, 0.2907,
0.3972

 0.6644, 0.0000,
1.0000

224.9952, 0.2923,

 0.0000, 0.0000,

0.3923

0.0000

272.3871, 0.2937,
0.3881

■ 35.3263, 0.2706,
0.4547

■ 35.3263, 0.2706,
0.4547

■ 34.7509, 0.2705,
0.4749

■ 36.1108, 0.2727,
0.4343

■ 34.3562, 0.2723,
0.4943

■ 37.1202, 0.2764,
0.4143

■ 34.1451, 0.2744,
0.5080

■ 38.3736, 0.2817,
0.3952

■ 39.8868, 0.2880,
0.3772

■ 41.6742, 0.2951,
0.3607

■ 43.7493, 0.3028,
0.3457

■ 46.1245, 0.3107,
0.3322

■ 48.8115, 0.3186,
0.3202

■ 51.8214, 0.3265,
0.3096

Harmonies

Analogous

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



35.3263, 0.3521, 0.4908



35.3263, 0.2706, 0.4547



35.3263, 0.2051, 0.3652

Triad

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



35.3263, 0.2706, 0.4547



35.3263, 0.1969, 0.2008



35.3263, 0.4787, 0.3454

Complementary

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



35.3263, 0.2706, 0.4547



13.5526, 0.4235, 0.2416

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.



35.3263, 0.4257, 0.2864



35.3263, 0.2706, 0.4547



35.3263, 0.2550, 0.2075

Square

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



35.3263, 0.2706, 0.4547



35.3263, 0.1689, 0.2218



35.3263, 0.3388, 0.2378



35.3263, 0.4765, 0.4078

Rectangle

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



35.3263, 0.2706, 0.4547



35.3263, 0.1786, 0.3032



35.3263, 0.3388, 0.2378



35.3263, 0.4668, 0.3250

Sweetspot

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



35.3277, 0.2706, 0.4547



75.6148, 0.2953, 0.3604



37.7080, 0.3497, 0.5253



16.4962, 0.2933, 0.3647



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



35.3277, 0.2706, 0.4547



62.5392, 0.2713, 0.4865



37.3332, 0.2343, 0.3360



10.1297, 0.3053, 0.3412



24.1247, 0.2739, 0.5059



0.8630, 0.2602, 0.4567

Inverse Universe

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



13.5526, 0.4235, 0.2416



20.8537, 0.4601, 0.2393



12.4922, 0.5492, 0.3251



9.0885, 0.3208, 0.3171



7.6209, 0.4838, 0.2439



0.2811, 0.4310, 0.2148

Previews

White Background



This preview shows how the Yxy color 35.3263, 0.2706, 0.4547 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 35.3263, 0.2706, 0.4547 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

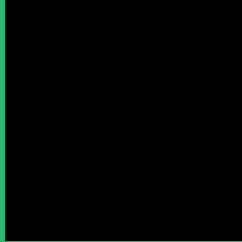
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.3263, 0.2706, 0.4547

Background



This preview shows how black text looks on a background with the Yxy color 35.3263, 0.2706, 0.4547.



This preview shows how white text looks on a background with the Yxy color 35.3263, 0.2706, 0.4547.

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

35.3263, 0.2706, 0.4547

Protanopia

34.6800, 0.3784, 0.4084

Deuteranopia

34.7033, 0.3810, 0.3748



Tritanopia

35.1805, 0.2372, 0.3065

Trichromacy



Original Color

35.3263, 0.2706, 0.4547



Protanomaly

33.2882, 0.3267, 0.4286



Deuteranomaly

33.1536, 0.3278, 0.4054



Tritanomaly

34.8539, 0.2485, 0.3561

Monochromacy



Original Color

35.3263, 0.2706, 0.4547



Achromatopsia

24.2281, 0.3127, 0.3290



Achromatomaly

26.9318, 0.2889, 0.3747

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.3263, 0.2706, 0.4547 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(50, 182, 113)` looks like.

```
.text, #text, p{  
    color:rgb(50, 182, 113)  
}
```

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(50, 182, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 182, 113) }
```

Border

The CSS property to change the border of an element to Yxy 35.3263, 0.2706, 0.4547 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(50, 182, 113) }
```

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

```
.border{ border-color:rgb(50, 182, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 182, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(50, 182, 113); -webkit-box-shadow:4px 4px 4px 4px rgb(50, 182, 113); box-shadow:4px 4px 4px 4px rgb(50, 182, 113) }
```


Background

The CSS property to change the background color of an element to Yxy 35.3263, 0.2706, 0.4547 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 182, 113) }
```

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

```
.background{ background-color: rgb(50, 182,  
113) }
```

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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