

Converting Colors

$Yxy(35.4981, 0.2656, 0.4536)$

Have a look what the booklet for
Yxy(35.4981, 0.2656, 0.4536)
contains.

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Color

Yxy(35.4981, 0.2656, 0.4536)

Conversions

Conversions Part 1

Format	Color
Hex	25B773
RGB	37, 183, 115
RGB Percent	15%, 72%, 45%
CMY	0.8557, 0.2823, 0.5490
CMYK	0.80, 0.00, 0.37, 0.28
HSL	152°, 67%, 43%
HSV	152°, 80%, 72%
XYZ	20.7855, 35.4981, 21.9750
YIQ	131.5940, -65.1880, -52.1000

Conversions

Conversions Part 2

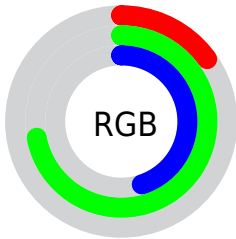
Format	Color
RYB	37, 132, 183
Decimal	2471795
CIELab	66.13, -52.79, 24.30
CIELCh	66, 58.113, 155.286
Yxy	35.4981, 0.2656, 0.4536
Android (android.graphics.Color)	4280661875 (0xFF25B773)
YUV	131.5940, -8.1808, -82.9589
Hunter-Lab	59.5803, -41.9931, 19.8382

Details

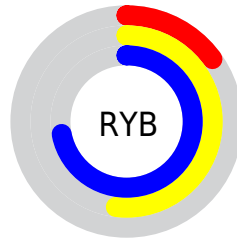
The Yxy color **35.4981, 0.2656, 0.4536** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **12.3959, 0.4579, 0.2497**, and the grayscale version is **22.9484, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.2360, 0.2765, 0.4269**, and **16.0939, 0.2700, 0.4918** is the 20% darker color. If you saturate the color by 10%, you get **35.0563, 0.2665, 0.4714**, and if you desaturate by 10%, it is **36.1302, 0.2667, 0.4355**.

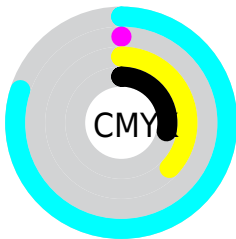
Distribution



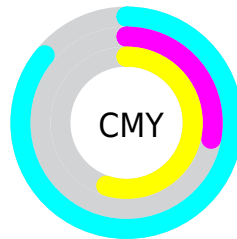
- Red (15%)
- Green (72%)
- Blue (45%)



- Red (15%)
- Yellow (52%)
- Blue (72%)



- Cyan (80%)
- Magenta (0%)
- Yellow (37%)
- Black (28%)



- Cyan (86%)
- Magenta (28%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.4981, 0.2656, 0.4536 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 35.4981, 0.2656, 0.4536 by changing the saturation by 10% instead.


 35.4981, 0.2656,
0.4536


 35.4981, 0.2656,
0.4536


326.7615, 0.2925,
0.3840

 24.0468, 0.2576,
0.4737


 68.2567, 0.2763,
0.4264


 15.3684, 0.2466,
0.5012


 90.3328, 0.2800,
0.4167


 9.0783, 0.2302,
0.5409


 116.7193, 0.2830,
0.4088

 4.7923, 0.2043,
0.6023

 147.8006, 0.2855,
0.4022

 2.1259, 0.1471,
0.7644

 183.9610, 0.2877,
0.3966

 0.6791, 0.0000,
1.0000

225.5851, 0.2895,

 0.0000, 0.0000,

0.3918

0.0000

273.0571, 0.2911,
0.3876

■ 35.4981, 0.2656,
0.4536

■ 35.4981, 0.2656,
0.4536

■ 35.0563, 0.2665,
0.4714

■ 36.1302, 0.2667,
0.4355

■ 34.7547, 0.2691,
0.4885

■ 36.9711, 0.2696,
0.4174

■ 34.7516, 0.2691,
0.4887

■ 38.0417, 0.2743,
0.3999

■ 39.3592, 0.2804,
0.3833

■ 40.9390, 0.2876,
0.3677

■ 42.7953, 0.2956,
0.3535

■ 44.9412, 0.3041,
0.3405

■ 47.3889, 0.3128,
0.3289

■ 50.1500, 0.3216,
0.3185

Harmonies

Analogous

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



35.4981, 0.3481, 0.4938



35.4981, 0.2656, 0.4536



35.4981, 0.2006, 0.3606

Triad

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



35.4981, 0.2656, 0.4536



35.4981, 0.1974, 0.1985



35.4981, 0.4830, 0.3485

Complementary

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



35.4981, 0.2656, 0.4536



12.3959, 0.4579, 0.2497

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.



35.4981, 0.4318, 0.2884



35.4981, 0.2656, 0.4536



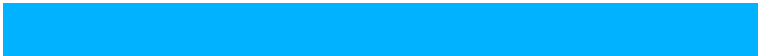
35.4981, 0.2578, 0.2067

Square

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



35.4981, 0.2656, 0.4536



35.4981, 0.1675, 0.2181



35.4981, 0.3439, 0.2385



35.4981, 0.4776, 0.4118

Rectangle

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



35.4981, 0.2656, 0.4536



35.4981, 0.1750, 0.2981



35.4981, 0.3439, 0.2385



35.4981, 0.4719, 0.3278

Sweetspot

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



35.4995, 0.2656, 0.4536



75.0735, 0.2919, 0.3597



37.0097, 0.3408, 0.5461



16.3256, 0.2891, 0.3649



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.



35.4995, 0.2656, 0.4536



62.3618, 0.2685, 0.4846



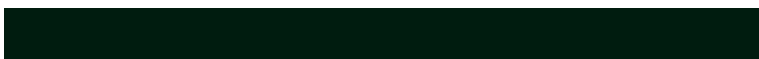
35.7051, 0.2268, 0.3207



10.1383, 0.3046, 0.3398



24.2537, 0.2685, 0.4867



0.8674, 0.2561, 0.4419

Inverse Universe

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



12.3959, 0.4579, 0.2497



19.4831, 0.5041, 0.2572



11.8343, 0.5835, 0.3339



9.0799, 0.3217, 0.3184



7.4957, 0.5077, 0.2571



0.2768, 0.4474, 0.2238

Previews

White Background



This preview shows how the Yxy color 35.4981, 0.2656, 0.4536 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 35.4981, 0.2656, 0.4536 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 35.4981, 0.2656, 0.4536

Background



This preview shows how black text looks on a background with the Yxy color 35.4981, 0.2656, 0.4536.



This preview shows how white text looks on a background with the Yxy color 35.4981, 0.2656, 0.4536.

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

35.4981, 0.2656, 0.4536

Protanopia

34.7004, 0.3775, 0.4071

Deuteranopia

34.7524, 0.3790, 0.3721



Tritanopia

35.3194, 0.2339, 0.3064

Trichromacy



Original Color

35.4981, 0.2656, 0.4536



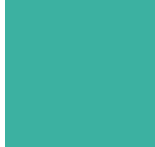
Protanomaly

33.3203, 0.3203, 0.4281



Deuteranomaly

32.7884, 0.3212, 0.4032



Tritanomaly

34.9781, 0.2446, 0.3562

Monochromacy



Original Color

35.4981, 0.2656, 0.4536



Achromatopsia

23.0740, 0.3127, 0.3290



Achromatomaly

26.1810, 0.2836, 0.3757

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.4981, 0.2656, 0.4536 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(37, 183, 115)` looks like.

```
.text, #text, p{  
    color:rgb(37, 183, 115)  
}
```

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(37, 183, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 183, 115) }
```

Border

The CSS property to change the border of an element to Yxy 35.4981, 0.2656, 0.4536 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(37, 183, 115) }
```

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

```
.border{ border-color:rgb(37, 183, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(37, 183, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(37, 183, 115); -webkit-box-shadow:4px 4px 4px 4px rgb(37, 183, 115); box-shadow:4px 4px 4px 4px rgb(37, 183, 115) }
```


Background

The CSS property to change the background color of an element to Yxy 35.4981, 0.2656, 0.4536 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 183, 115) }
```

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

```
.background{ background-color: rgb(37, 183,  
115) }
```

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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