

Converting Colors

$Yxy(35.7691, 0.2651, 0.4523)$

Have a look what the booklet for
Yxy(35.7691, 0.2651, 0.4523)
contains.

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Color

Yxy(35.9352, 0.2654, 0.4529)

Conversions

Conversions Part 1

Format	Color
Hex	25B874
RGB	37, 184, 116
RGB Percent	15%, 72%, 45%
CMY	0.8546, 0.2784, 0.5451
CMYK	0.80, 0.00, 0.37, 0.28
HSL	152°, 66%, 43%
HSV	152°, 80%, 72%
XYZ	21.0581, 35.9352, 22.3514
YIQ	132.2950, -65.7840, -52.3120

Conversions

Conversions Part 2

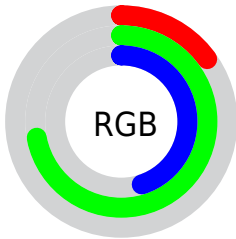
Format	Color
RYB	37, 133, 184
Decimal	2472052
CIELab	66.47, -52.93, 24.21
CIELCh	66, 58.200, 155.420
Yxy	35.9352, 0.2654, 0.4529
Android (android.graphics.Color)	4280662132 (0xFF25B874)
YUV	132.2950, -8.0334, -83.5737
Hunter-Lab	59.9460, -42.2012, 19.8554

Details

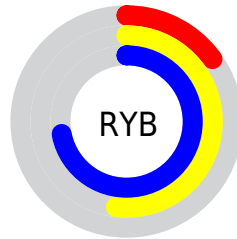
The Yxy color **35.9352, 0.2654, 0.4529** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **12.5396, 0.4586, 0.2502**, and the grayscale version is **23.2427, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.8635, 0.2762, 0.4266**, and **16.3705, 0.2696, 0.4907** is the 20% darker color. If you saturate the color by 10%, you get **35.4879, 0.2663, 0.4706**, and if you desaturate by 10%, it is **36.5750, 0.2665, 0.4348**.

Distribution



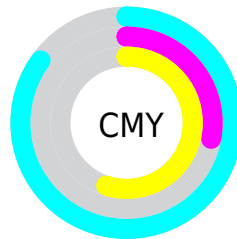
- Red (15%)
- Green (72%)
- Blue (45%)



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



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





- Cyan (85%)
- Magenta (28%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 35.9352, 0.2654, 0.4529 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 35.9352, 0.2654, 0.4529 by changing the saturation by 10% instead.


 35.9352, 0.2654,
0.4529


 35.9352, 0.2654,
0.4529


328.6772, 0.2923,
0.3838

 24.3842, 0.2575,
0.4728


 68.9320, 0.2760,
0.4259


 15.6188, 0.2464,
0.4999


 91.1466, 0.2798,
0.4164

 9.2548, 0.2303,
0.5391


 117.6845, 0.2828,
0.4085

 4.9078, 0.2047,
0.5995

 148.9301, 0.2853,
0.4019

 2.1933, 0.1507,
0.7493

 185.2677, 0.2875,
0.3964

 0.7163, 0.0000,
1.0000

227.0819, 0.2893,

 0.0000, 0.0000,

0.3916

0.0000

274.7569, 0.2909,
0.3874

■ 35.9352, 0.2654,
0.4529

■ 35.9352, 0.2654,
0.4529

■ 35.4879, 0.2663,
0.4706

■ 36.5750, 0.2665,
0.4348

■ 35.1830, 0.2688,
0.4877

■ 37.4262, 0.2695,
0.4169

■ 35.1787, 0.2689,
0.4879

■ 38.5100, 0.2742,
0.3995

■ 39.8436, 0.2803,
0.3829

■ 41.4427, 0.2875,
0.3675

■ 43.3217, 0.2956,
0.3533

■ 45.4938, 0.3041,
0.3404

■ 47.9714, 0.3128,
0.3288

■ 50.7663, 0.3217,
0.3185

Harmonies

Analogous

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



35.9352, 0.3477, 0.4933



35.9352, 0.2654, 0.4529



35.9352, 0.2007, 0.3600

Triad

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



35.9352, 0.2654, 0.4529



35.9352, 0.1978, 0.1988



35.9352, 0.4827, 0.3488

Complementary

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



35.9352, 0.2654, 0.4529



12.5396, 0.4586, 0.2502

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.



35.9352, 0.4318, 0.2888



35.9352, 0.2654, 0.4529



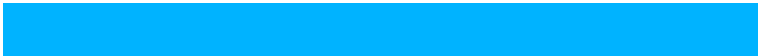
35.9352, 0.2583, 0.2070

Square

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



35.9352, 0.2654, 0.4529



35.9352, 0.1679, 0.2182



35.9352, 0.3443, 0.2389



35.9352, 0.4771, 0.4119

Rectangle

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



35.9352, 0.2654, 0.4529



35.9352, 0.1752, 0.2978



35.9352, 0.3443, 0.2389



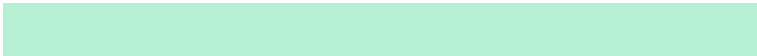
35.9352, 0.4717, 0.3281

Sweetspot

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



35.9366, 0.2654, 0.4529



76.9178, 0.2918, 0.3596



37.4570, 0.3408, 0.5461



16.3273, 0.2890, 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.



35.9366, 0.2654, 0.4529



63.9049, 0.2683, 0.4838



36.1365, 0.2268, 0.3207



10.1386, 0.3045, 0.3398



24.2595, 0.2683, 0.4859



0.8676, 0.2559, 0.4412

Inverse Universe

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



12.5396, 0.4586, 0.2502



19.9437, 0.5053, 0.2578



11.9785, 0.5834, 0.3339



9.0795, 0.3217, 0.3185



7.4908, 0.5087, 0.2576



0.2766, 0.4481, 0.2242

Previews

White Background



This preview shows how the Yxy color 35.9352, 0.2654, 0.4529 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 35.9352, 0.2654, 0.4529 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

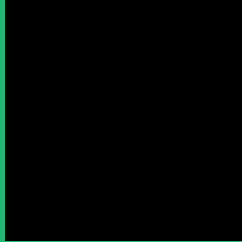
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.9352, 0.2654, 0.4529

Background



This preview shows how black text looks on a background with the Yxy color 35.9352, 0.2654, 0.4529.



This preview shows how white text looks on a background with the Yxy color 35.9352, 0.2654, 0.4529.

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

35.9352, 0.2654, 0.4529

Protanopia

35.1809, 0.3771, 0.4066

Deuteranopia

35.2326, 0.3786, 0.3718



Tritanopia

35.7505, 0.2338, 0.3066

Trichromacy



Original Color

35.9352, 0.2654, 0.4529



Protanomaly

33.7868, 0.3203, 0.4275



Deuteranomaly

33.2529, 0.3212, 0.4028



Tritanomaly

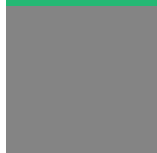
35.4101, 0.2444, 0.3561

Monochromacy



Original Color

35.9352, 0.2654, 0.4529



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 35.9352, 0.2654, 0.4529 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, 184, 116)` looks like.

```
.text, #text, p{  
  color:rgb(37, 184, 116)  
}
```

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, 184, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 184, 116) }
```

Border

The CSS property to change the border of an element to Yxy 35.9352, 0.2654, 0.4529 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, 184, 116) }
```

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

```
.border{ border-color:rgb(37, 184, 116) }
```

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

Here you see how a box with a 4 pixel rgb(37, 184, 116) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 184, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 184, 116);  
box-shadow:4px 4px 4px 4px rgb(37, 184,  
116) }
```


Background

The CSS property to change the background color of an element to Yxy 35.9352, 0.2654, 0.4529 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 184, 116) }
```

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

```
.background{ background-color: rgb(37, 184,  
116) }
```

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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