

Converting Colors

$Y_{xy}(35.0599, 0.2542, 0.3712)$

Have a look what the booklet for
Yxy(35.0599, 0.2542, 0.3712)
contains.

Yxy(35.0509, 0.2545, 0.3719)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(35.0509, 0.2545, 0.3719)

Conversions

Conversions Part 1

Format	Color
Hex	47B198
RGB	71, 177, 152
RGB Percent	28%, 69%, 60%
CMY	0.7217, 0.3059, 0.4039
CMYK	0.60, 0.00, 0.14, 0.31
HSL	166°, 43%, 49%
HSV	166°, 60%, 69%
XYZ	23.9862, 35.0509, 35.2111
YIQ	142.4560, -55.1510, -30.2470

Conversions

Conversions Part 2

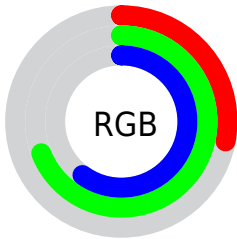
Format	Color
RYB	71, 131, 177
Decimal	4698520
CIELab	65.79, -36.57, 3.74
CIELCh	66, 36.757, 174.167
Yxy	35.0509, 0.2545, 0.3719
Android (android.graphics.Color)	4282888600 (0xFF47B198)
YUV	142.4560, 4.7052, -62.6669
Hunter-Lab	59.2038, -31.2881, 6.1803

Details

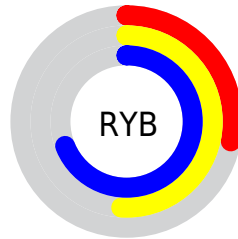
The Yxy color **35.0509, 0.2545, 0.3719** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **14.6923, 0.4508, 0.2945**, and the grayscale version is **27.2340, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.4012, 0.2659, 0.3633**, and **15.3549, 0.2408, 0.3869** is the 20% darker color. If you saturate the color by 10%, you get **34.3438, 0.2497, 0.3804**, and if you desaturate by 10%, it is **35.9604, 0.2611, 0.3636**.

Distribution



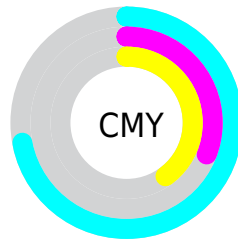
- Red (28%)
- Green (69%)
- Blue (60%)



- Red (28%)
- Yellow (51%)
- Blue (69%)



- Cyan (60%)
- Magenta (0%)
- Yellow (14%)
- Black (31%)





- Cyan (72%)
- Magenta (31%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.0509, 0.2545, 0.3719 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 35.0509, 0.2545, 0.3719 by changing the saturation by 10% instead.


 35.0509, 0.2545,
0.3719


 35.0509, 0.2545,
0.3719


324.7929, 0.2850,
0.3491

 23.7021, 0.2464,
0.3781


 67.5646, 0.2659,
0.3633


 15.1128, 0.2358,
0.3863


 89.4983, 0.2701,
0.3601

 8.8986, 0.2211,
0.3978


 115.7291, 0.2736,
0.3575

 4.6751, 0.1997,
0.4151

 146.6413, 0.2766,
0.3553

 2.0579, 0.1657,
0.4436

 182.6194, 0.2792,
0.3534

 0.6408, 0.0000,
0.5948

224.0478, 0.2814,

 0.0000, 0.0000,

0.3518

0.0000

271.3109, 0.2833,
0.3503

■ 35.0509, 0.2545,
0.3719

■ 35.0509, 0.2545,
0.3719

■ 34.3438, 0.2497,
0.3804

■ 35.9604, 0.2611,
0.3636

■ 33.8176, 0.2467,
0.3891

■ 37.0836, 0.2694,
0.3557

■ 33.4528, 0.2457,
0.3978

■ 38.4358, 0.2789,
0.3482

■ 33.2064, 0.2462,
0.4064

■ 40.0297, 0.2895,
0.3412

■ 33.2044, 0.2462,
0.4064

■ 41.8771, 0.3009,
0.3348

■ 43.9889, 0.3128,
0.3290

■ 46.3755, 0.3250,
0.3237

■ 49.0467, 0.3372,
0.3190

■ 52.0118, 0.3493,
0.3149

Harmonies

Analogous

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



35.0509, 0.3049, 0.4181



35.0509, 0.2545, 0.3719



35.0509, 0.2214, 0.3145

Triad

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



35.0509, 0.2545, 0.3719



35.0509, 0.2601, 0.2414



35.0509, 0.4253, 0.3746

Complementary

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



35.0509, 0.2545, 0.3719



14.6923, 0.4508, 0.2945

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.



35.0509, 0.4127, 0.3306



35.0509, 0.2545, 0.3719



35.0509, 0.3125, 0.2578

Square

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



35.0509, 0.2545, 0.3719



35.0509, 0.2248, 0.2442



35.0509, 0.3698, 0.2894



35.0509, 0.4048, 0.4126

Rectangle

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



35.0509, 0.2545, 0.3719



35.0509, 0.2121, 0.2818



35.0509, 0.3698, 0.2894



35.0509, 0.4250, 0.3601

Sweetspot

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



35.0523, 0.2545, 0.3719



72.1860, 0.2913, 0.3401



34.4686, 0.3223, 0.5087



15.4533, 0.2882, 0.3420



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



35.0523, 0.2545, 0.3719



61.1564, 0.2485, 0.3833



26.4832, 0.2299, 0.2830



9.5966, 0.3016, 0.3344



24.0654, 0.2460, 0.4055



0.7655, 0.2393, 0.3815

Inverse Universe

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



14.6923, 0.4508, 0.2945



21.4200, 0.5019, 0.2923



18.4385, 0.4690, 0.3666



8.5370, 0.3251, 0.3237



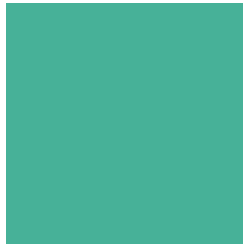
6.9001, 0.5940, 0.3046



0.2263, 0.5158, 0.2615

Previews

White Background



This preview shows how the Yxy color 35.0509, 0.2545, 0.3719 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 35.0509, 0.2545, 0.3719 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 35.0509, 0.2545, 0.3719

Background



This preview shows how black text looks on a background with the Yxy color 35.0509, 0.2545, 0.3719.



This preview shows how white text looks on a background with the Yxy color 35.0509, 0.2545, 0.3719.

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

35.0509, 0.2545, 0.3719

Protanopia

34.4060, 0.3345, 0.3527

Deuteranopia

34.6595, 0.3310, 0.3248



Tritanopia

34.9350, 0.2393, 0.3065

Trichromacy



Original Color

35.0509, 0.2545, 0.3719

Protanomaly

33.8109, 0.2977, 0.3595

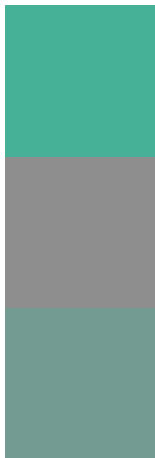
Deuteranomaly

33.5256, 0.2956, 0.3399

Tritanomaly

34.9904, 0.2443, 0.3288

Monochromacy



Original Color

35.0509, 0.2545, 0.3719

Achromatopsia

27.0498, 0.3127, 0.3290

Achromatomaly

29.2310, 0.2840, 0.3443

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.0509, 0.2545, 0.3719 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(71, 177, 152)` looks like.

```
.text, #text, p{  
    color:rgb(71, 177, 152)  
}
```

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(71, 177, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 177, 152) }
```

Border

The CSS property to change the border of an element to Yxy 35.0509, 0.2545, 0.3719 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(71, 177, 152) }
```

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

```
.border{ border-color:rgb(71, 177, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 177, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 177, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 177, 152);  
box-shadow:4px 4px 4px 4px rgb(71, 177,  
152) }
```


Background

The CSS property to change the background color of an element to Yxy 35.0509, 0.2545, 0.3719 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 177, 152) }
```

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

```
.background{ background-color: rgb(71, 177,  
152) }
```

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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