

Converting Colors

$Y_{xy}(35.5335, 0.2571, 0.3742)$

Have a look what the booklet for
Yxy(35.5335, 0.2571, 0.3742)
contains.

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Color

Yxy(35.5710, 0.2574, 0.3751)

Conversions

Conversions Part 1

Format	Color
Hex	4BB297
RGB	75, 178, 151
RGB Percent	29%, 70%, 59%
CMY	0.7057, 0.3020, 0.4079
CMYK	0.58, 0.00, 0.15, 0.30
HSL	164°, 41%, 50%
HSV	164°, 58%, 70%
XYZ	24.4094, 35.5710, 34.8503
YIQ	144.1250, -52.7210, -30.2330

Conversions

Conversions Part 2

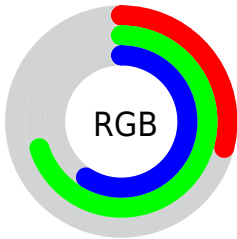
Format	Color
RYB	75, 134, 178
Decimal	4960919
CIELab	66.19, -36.45, 4.90
CIELCh	66, 36.782, 172.344
Yxy	35.5710, 0.2574, 0.3751
Android (android.graphics.Color)	4283150999 (0xFF4BB297)
YUV	144.1250, 3.3894, -60.6226
Hunter-Lab	59.6414, -31.3179, 7.1041

Details

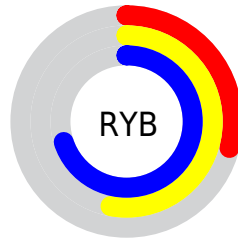
The Yxy color **35.5710, 0.2574, 0.3751** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **15.4642, 0.4385, 0.2913**, and the grayscale version is **27.9499, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.2400, 0.2685, 0.3656**, and **15.5873, 0.2422, 0.3919** is the 20% darker color. If you saturate the color by 10%, you get **34.8030, 0.2524, 0.3847**, and if you desaturate by 10%, it is **36.5486, 0.2642, 0.3658**.

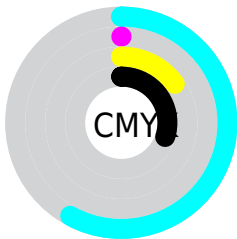
Distribution



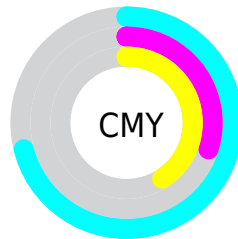
- Red (29%)
- Green (70%)
- Blue (59%)



- Red (29%)
- Yellow (53%)
- Blue (70%)



- Cyan (58%)
- Magenta (0%)
- Yellow (15%)
- Black (30%)





- Cyan (71%)
- Magenta (30%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.5710, 0.2574, 0.3751 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 35.5710, 0.2574, 0.3751 by changing the saturation by 10% instead.


 35.5710, 0.2574,
0.3751


 35.5710, 0.2574,
0.3751

327.0816, 0.2864,
0.3505


 24.1031, 0.2497,
0.3818


 68.3694, 0.2683,
0.3658

 15.4101, 0.2395,
0.3907


 90.4686, 0.2723,
0.3624


 9.1077, 0.2255,
0.4033


 116.8804, 0.2756,
0.3596

 4.8115, 0.2051,
0.4221

 147.9892, 0.2784,
0.3572

 2.1371, 0.1726,
0.4533

 184.1793, 0.2808,
0.3552

 0.6854, 0.0000,
0.6293

225.8351, 0.2830,

 0.0000, 0.0000,

0.3534

0.0000

273.3411, 0.2848,
0.3519

■ 35.5710, 0.2574,
0.3751

■ 35.5710, 0.2574,
0.3751

■ 34.8030, 0.2524,
0.3847

■ 36.5486, 0.2642,
0.3658

■ 34.2232, 0.2493,
0.3944

■ 37.7470, 0.2724,
0.3570

■ 33.8127, 0.2481,
0.4042

■ 39.1813, 0.2820,
0.3487

■ 33.5398, 0.2487,
0.4139

■ 40.8642, 0.2925,
0.3411

■ 33.4874, 0.2489,
0.4159

■ 42.8076, 0.3037,
0.3340

■ 45.0224, 0.3152,
0.3277

■ 47.5190, 0.3270,
0.3220

■ 50.3072, 0.3388,
0.3169

■ 53.3964, 0.3504,
0.3124

Harmonies

Analogous

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



35.5710, 0.3083, 0.4196



35.5710, 0.2574, 0.3751



35.5710, 0.2232, 0.3179

Triad

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



35.5710, 0.2574, 0.3751



35.5710, 0.2576, 0.2413



35.5710, 0.4251, 0.3719

Complementary

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



35.5710, 0.2574, 0.3751



15.4642, 0.4385, 0.2913

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.



35.5710, 0.4105, 0.3280



35.5710, 0.2574, 0.3751



35.5710, 0.3090, 0.2565

Square

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



35.5710, 0.2574, 0.3751



35.5710, 0.2237, 0.2454



35.5710, 0.3663, 0.2873



35.5710, 0.4065, 0.4104

Rectangle

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



35.5710, 0.2574, 0.3751



35.5710, 0.2129, 0.2846



35.5710, 0.3663, 0.2873



35.5710, 0.4240, 0.3574

Sweetspot

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



35.5724, 0.2574, 0.3751



74.2843, 0.2931, 0.3407



35.2036, 0.3238, 0.5015



16.3147, 0.2909, 0.3421



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.



35.5724, 0.2574, 0.3751



62.8358, 0.2515, 0.3870



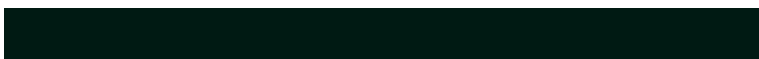
27.8160, 0.2328, 0.2879



9.5927, 0.3020, 0.3350



23.9714, 0.2486, 0.4148



0.7632, 0.2411, 0.3879

Inverse Universe

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



15.4642, 0.4385, 0.2913



23.0044, 0.4833, 0.2877



18.9106, 0.4630, 0.3633



8.5407, 0.3247, 0.3230



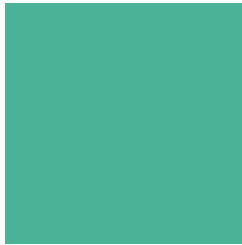
6.9265, 0.5855, 0.2999



0.2277, 0.5055, 0.2559

Previews

White Background



This preview shows how the Yxy color 35.5710, 0.2574, 0.3751 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 35.5710, 0.2574, 0.3751 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

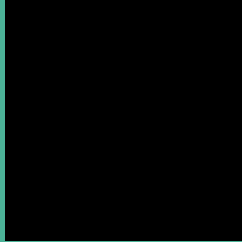
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.5710, 0.2574, 0.3751

Background



This preview shows how black text looks on a background with the Yxy color 35.5710, 0.2574, 0.3751.



This preview shows how white text looks on a background with the Yxy color 35.5710, 0.2574, 0.3751.

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

35.5710, 0.2574, 0.3751

Protanopia

34.9349, 0.3372, 0.3555

Deuteranopia

35.1901, 0.3338, 0.3277



Tritanopia

35.5497, 0.2411, 0.3068

Trichromacy



Original Color

35.5710, 0.2574, 0.3751



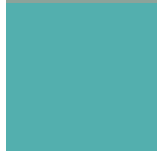
Protanomaly

34.3851, 0.3012, 0.3624



Deuteranomaly

34.1029, 0.2991, 0.3430



Tritanomaly

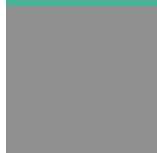
35.5549, 0.2466, 0.3304

Monochromacy



Original Color

35.5710, 0.2574, 0.3751



Achromatopsia

27.8894, 0.3127, 0.3290



Achromatomaly

29.8055, 0.2859, 0.3441

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.5710, 0.2574, 0.3751 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(75, 178, 151)` looks like.

```
.text, #text, p{  
    color:rgb(75, 178, 151)  
}
```

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(75, 178, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 178, 151) }
```

Border

The CSS property to change the border of an element to Yxy 35.5710, 0.2574, 0.3751 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(75, 178, 151) }
```

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

```
.border{ border-color:rgb(75, 178, 151) }
```

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

Here you see how a box with a 4 pixel rgb(75, 178, 151) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 178, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 178, 151);  
box-shadow:4px 4px 4px 4px rgb(75, 178,  
151) }
```


Background

The CSS property to change the background color of an element to Yxy 35.5710, 0.2574, 0.3751 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 178, 151) }
```

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

```
.background{ background-color: rgb(75, 178,  
151) }
```

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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