

Converting Colors

$Y_{xy}(35.7912, 0.3034, 0.5191)$

Have a look what the booklet for
Yxy(35.7912, 0.3034, 0.5191)
contains.

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Color

Yxy(35.7779, 0.3032, 0.5187)

Conversions

Conversions Part 1

Format	Color
Hex	49B74A
RGB	73, 183, 74
RGB Percent	29%, 72%, 29%
CMY	0.7140, 0.2823, 0.7097
CMYK	0.60, 0.00, 0.60, 0.28
HSL	121°, 43%, 50%
HSV	121°, 60%, 72%
XYZ	20.9136, 35.7779, 12.2846
YIQ	137.6840, -30.5710, -57.2190

Conversions

Conversions Part 2

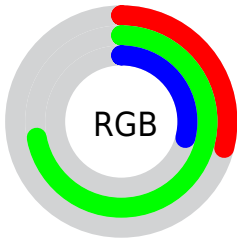
Format	Color
RYB	73, 182, 183
Decimal	4831050
CIELab	66.35, -53.10, 45.34
CIElCh	66, 69.824, 139.507
Yxy	35.7779, 0.3032, 0.5187
Android (android.graphics.Color)	4283021130 (0xFF49B74A)
YUV	137.6840, -31.3962, -56.7279
Hunter-Lab	59.8146, -42.2650, 29.6933

Details

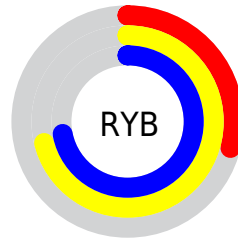
The Yxy color **35.7779, 0.3032, 0.5187** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **18.1984, 0.3205, 0.1922**, and the grayscale version is **25.4138, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.7321, 0.3090, 0.4778**, and **15.7510, 0.2953, 0.5832** is the 20% darker color. If you saturate the color by 10%, you get **34.9573, 0.3018, 0.5494**, and if you desaturate by 10%, it is **36.8820, 0.3048, 0.4844**.

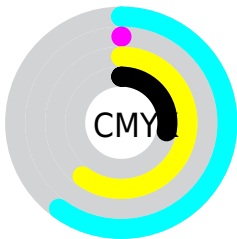
Distribution



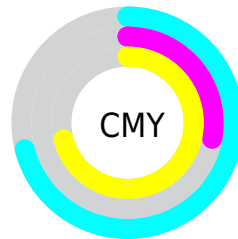
- Red (29%)
- Green (72%)
- Blue (29%)



- Red (29%)
- Yellow (71%)
- Blue (72%)



- Cyan (60%)
- Magenta (0%)
- Yellow (60%)
- Black (28%)



- Cyan (71%)
- Magenta (28%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.7779, 0.3032, 0.5187 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 35.7779, 0.3032, 0.5187 by changing the saturation by 10% instead.


 35.7779, 0.3032,
0.5187


 35.7779, 0.3032,
0.5187


327.9887, 0.3140,
0.4126

 24.2627, 0.2977,
0.5483


 68.6891, 0.3090,
0.4776

 15.5286, 0.2886,
0.5877


 90.8539, 0.3106,
0.4629


 9.1912, 0.2726,
0.6414


 117.3374, 0.3117,
0.4508

 4.8661, 0.2529,
0.7462

 148.5240, 0.3124,
0.4407

 2.1689, 0.1636,
0.8364

 184.7980, 0.3130,
0.4321

 0.7030, 0.0000,
1.0000

226.5439, 0.3134,

 0.0000, 0.0000,

0.4247

0.0000

274.1460, 0.3137,
0.4183

■ 35.7779, 0.3032,
0.5187

■ 35.7779, 0.3032,
0.5187

■ 34.9573, 0.3018,
0.5494

■ 36.8820, 0.3048,
0.4844

■ 34.3905, 0.3008,
0.5740

■ 38.2874, 0.3065,
0.4491

■ 34.0492, 0.3002,
0.5905

■ 40.0157, 0.3083,
0.4148

■ 33.8750, 0.2998,
0.5994

■ 42.0851, 0.3099,
0.3831

■ 44.5125, 0.3114,
0.3545

■ 47.3138, 0.3127,
0.3294

■ 50.5039, 0.3139,
0.3075

■ 54.0967, 0.3149,
0.2886

■ 58.1057, 0.3158,
0.2724

Harmonies

Analogous

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



35.7779, 0.3989, 0.5146



35.7779, 0.3032, 0.5187



35.7779, 0.2149, 0.4310

Triad

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



35.7779, 0.3032, 0.5187



35.7779, 0.1576, 0.1849



35.7779, 0.4919, 0.3107

Complementary

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



35.7779, 0.3032, 0.5187



18.1984, 0.3205, 0.1922

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.



35.7779, 0.4015, 0.2485



35.7779, 0.3032, 0.5187



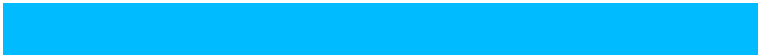
35.7779, 0.2068, 0.1797

Square

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



35.7779, 0.3032, 0.5187



35.7779, 0.1416, 0.2245



35.7779, 0.2920, 0.2022



35.7779, 0.5183, 0.3802

Rectangle

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



35.7779, 0.3032, 0.5187



35.7779, 0.1732, 0.3480



35.7779, 0.2920, 0.2022



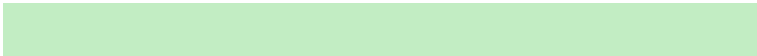
35.7779, 0.4673, 0.2888

Sweetspot

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



35.7794, 0.3032, 0.5187



76.1209, 0.3102, 0.3776



44.4196, 0.3966, 0.4677



16.5529, 0.3097, 0.3863



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.



35.7794, 0.3032, 0.5187



62.2460, 0.3015, 0.5577



36.8425, 0.2719, 0.4250



10.0615, 0.3115, 0.3524



23.6296, 0.2998, 0.5992



0.8335, 0.2989, 0.5961

Inverse Universe

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



18.1984, 0.3205, 0.1922



27.9988, 0.3218, 0.1732



16.3820, 0.4007, 0.2544



9.1612, 0.3139, 0.3067



9.3566, 0.3234, 0.1555



0.3303, 0.3227, 0.1551

Previews

White Background



This preview shows how the Yxy color 35.7779, 0.3032, 0.5187 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 35.7779, 0.3032, 0.5187 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 35.7779, 0.3032, 0.5187

Background



This preview shows how black text looks on a background with the Yxy color 35.7779, 0.3032, 0.5187.



This preview shows how white text looks on a background with the Yxy color 35.7779, 0.3032, 0.5187.

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

35.7779, 0.3032, 0.5187

Protanopia

35.0118, 0.4130, 0.4527

Deuteranopia

35.2773, 0.4265, 0.4182



Tritanopia

35.7595, 0.2479, 0.3070

Trichromacy



Original Color

35.7779, 0.3032, 0.5187



Protanomaly

34.0229, 0.3654, 0.4796



Deuteranomaly

33.8055, 0.3733, 0.4560



Tritanomaly

35.2687, 0.2689, 0.3817

Monochromacy



Original Color

35.7779, 0.3032, 0.5187



Achromatopsia

25.4152, 0.3127, 0.3290



Achromatomaly

27.9264, 0.3085, 0.3990

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.7779, 0.3032, 0.5187 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(73, 183, 74)` looks like.

```
.text, #text, p{  
    color:rgb(73, 183, 74)  
}
```

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(73, 183, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 183, 74) }
```

Border

The CSS property to change the border of an element to Yxy 35.7779, 0.3032, 0.5187 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(73, 183, 74) }
```

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

```
.border{ border-color:rgb(73, 183, 74) }
```

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

Here you see how a box with a 4 pixel rgb(73, 183, 74) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 183, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 183, 74);  
box-shadow:4px 4px 4px 4px rgb(73, 183,  
74) }
```


Background

The CSS property to change the background color of an element to Yxy 35.7779, 0.3032, 0.5187 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 183, 74) }
```

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

```
.background{ background-color: rgb(73, 183,  
74) }
```

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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