

Converting Colors

Yxy(48.6578, 0.3023, 0.5654)

Have a look what the booklet for
Yxy(48.6578, 0.3023, 0.5654)
contains.

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Color

Yxy(48.6578, 0.3023, 0.5654)

Conversions

Conversions Part 1

Format	Color
Hex	37D535
RGB	55, 213, 53
RGB Percent	22%, 84%, 21%
CMY	0.7840, 0.1647, 0.7922
CMYK	0.74, 0.00, 0.75, 0.16
HSL	119°, 66%, 52%
HSV	119°, 75%, 84%
XYZ	26.0157, 48.6578, 11.3856
YIQ	147.5180, -42.8080, -83.2560

Conversions

Conversions Part 2

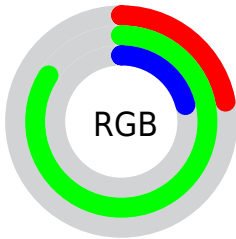
Format	Color
RYB	53, 213, 211
Decimal	3659061
CIELab	75.24, -68.63, 63.08
CIELCh	75, 93.215, 137.410
Yxy	48.6578, 0.3023, 0.5654
Android (android.graphics.Color)	4281849141 (0xFF37D535)
YUV	147.5180, -46.5974, -81.1383
Hunter-Lab	69.7551, -55.4987, 39.1511

Details

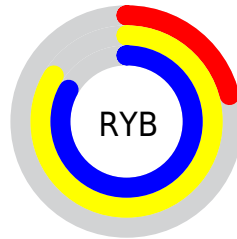
The Yxy color **48.6578, 0.3023, 0.5654** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark muted green. A complement of this color would be **21.1805, 0.3178, 0.1678**, and the grayscale version is **29.6248, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.0814, 0.3116, 0.5091**, and **24.1139, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **48.0320, 0.3012, 0.5853**, and if you desaturate by 10%, it is **49.6274, 0.3037, 0.5378**.

Distribution



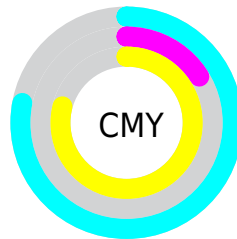
- Red (22%)
- Green (84%)
- Blue (21%)



- Red (21%)
- Yellow (84%)
- Blue (83%)



- Cyan (74%)
- Magenta (0%)
- Yellow (75%)
- Black (16%)




- Cyan (78%)
- Magenta (16%)
- Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.6578, 0.3023, 0.5654 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 48.6578, 0.3023, 0.5654 by changing the saturation by 10% instead.


 48.6578, 0.3023,
0.5654


 48.6578, 0.3023,
0.5654


381.3936, 0.3171,
0.4396


 34.3481, 0.2950,
0.5971


 88.1830, 0.3103,
0.5189

 23.1612, 0.2834,
0.6368

 114.1673, 0.3125,
0.5016


 14.7125, 0.2645,
0.6867


 144.8119, 0.3140,
0.4870

 8.6179, 0.2374,
0.7626

 180.5012, 0.3151,
0.4746

 4.4928, 0.1803,
0.8197

 221.6197, 0.3159,
0.4640

 1.9529, 0.0000,
1.0000

268.5516, 0.3164,

 0.5799, 0.0000,

0.4548

1.0000

321.6815, 0.3168,
0.4467

■ 0.0000, 0.0000,
0.0000

■ 48.6578, 0.3023,
0.5654

■ 48.6578, 0.3023,
0.5654

■ 48.0320, 0.3012,
0.5853

■ 49.6274, 0.3037,
0.5378

■ 47.6969, 0.3004,
0.5966


■ 50.9734, 0.3053,
0.5048


■ 47.6063, 0.3002,
0.5998

■ 52.7316, 0.3069,
0.4693


■ 54.9317, 0.3085,
0.4337

■ 57.6007, 0.3099,
0.4000

 60.7637, 0.3111,
0.3691

 64.4438, 0.3122,
0.3417

 68.6627, 0.3131,
0.3177

 73.4408, 0.3139,
0.2970

Harmonies

Analogous

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



48.6578, 0.4117, 0.5401



48.6578, 0.3023, 0.5654



48.6578, 0.2007, 0.4650

Triad

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



48.6578, 0.3023, 0.5654



48.6578, 0.1331, 0.1642



48.6578, 0.5217, 0.2978

Complementary

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



48.6578, 0.3023, 0.5654



21.1805, 0.3178, 0.1678

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.



48.6578, 0.4087, 0.2303



48.6578, 0.3023, 0.5654



48.6578, 0.1840, 0.1576

Square

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



48.6578, 0.3023, 0.5654



48.6578, 0.1175, 0.2088



48.6578, 0.2783, 0.1807



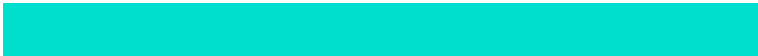
48.6578, 0.5541, 0.3731

Rectangle

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



48.6578, 0.3023, 0.5654



48.6578, 0.1528, 0.3593



48.6578, 0.2783, 0.1807



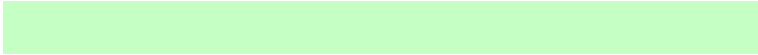
48.6578, 0.4908, 0.2741

Sweetspot

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



48.6598, 0.3023, 0.5654



87.4086, 0.3101, 0.3939



60.6603, 0.4122, 0.4882



18.3668, 0.3096, 0.4057



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



48.6598, 0.3023, 0.5654



71.8468, 0.3007, 0.5929



49.9648, 0.2699, 0.4600



13.9037, 0.3118, 0.3531



29.0837, 0.3003, 0.5998



1.7570, 0.3013, 0.5990

Inverse Universe

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



21.1805, 0.3178, 0.1678



28.6266, 0.3178, 0.1554



18.4581, 0.4327, 0.2411



12.6240, 0.3136, 0.3060



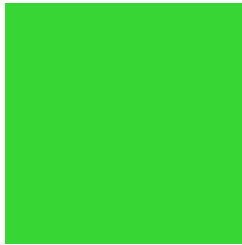
11.3247, 0.3177, 0.1524



0.6858, 0.3183, 0.1527

Previews

White Background



This preview shows how the Yxy color 48.6578, 0.3023, 0.5654 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 48.6578, 0.3023, 0.5654 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 48.6578, 0.3023, 0.5654

Background



This preview shows how black text looks on a background with the Yxy color 48.6578, 0.3023, 0.5654.



This preview shows how white text looks on a background with the Yxy color 48.6578, 0.3023, 0.5654.

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

48.6578, 0.3023, 0.5654

Protanopia

47.6000, 0.4301, 0.4751

Deuteranopia

47.3598, 0.4489, 0.4381



Tritanopia

48.5198, 0.2405, 0.3067

Trichromacy



Original Color

48.6578, 0.3023, 0.5654



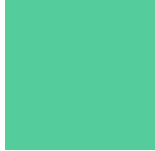
Protanomaly

45.8313, 0.3702, 0.5168



Deuteranomaly

44.4323, 0.3824, 0.4910



Tritanomaly

47.4708, 0.2655, 0.4034

Monochromacy



Original Color

48.6578, 0.3023, 0.5654



Achromatopsia

29.6138, 0.3127, 0.3290



Achromatomaly

34.2747, 0.3088, 0.4290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.6578, 0.3023, 0.5654 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(55, 213, 53)` looks like.

```
.text, #text, p{  
    color:rgb(55, 213, 53)  
}
```

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(55, 213, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 213, 53) }
```

Border

The CSS property to change the border of an element to Yxy 48.6578, 0.3023, 0.5654 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(55, 213, 53) }
```

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

```
.border{ border-color:rgb(55, 213, 53) }
```

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

Here you see how a box with a 4 pixel rgb(55, 213, 53) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 213, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 213, 53);  
box-shadow:4px 4px 4px 4px rgb(55, 213,  
53) }
```


Background

The CSS property to change the background color of an element to Yxy 48.6578, 0.3023, 0.5654 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 213, 53) }
```

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

```
.background{ background-color: rgb(55, 213,  
53) }
```

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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