

Converting Colors

$Y_{xy}(40.4532, 0.3633, 0.5127)$

Have a look what the booklet for
Yxy(40.4532, 0.3633, 0.5127)
contains.

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Color

Yxy(40.4532, 0.3633, 0.5127)

Conversions

Conversions Part 1

Format	Color
Hex	8BB936
RGB	139, 185, 54
RGB Percent	55%, 73%, 21%
CMY	0.4548, 0.2745, 0.7883
CMYK	0.25, 0.00, 0.71, 0.27
HSL	81°, 55%, 47%
HSV	81°, 71%, 73%
XYZ	28.6652, 40.4532, 9.7839
YIQ	156.3120, 14.6350, -50.4930

Conversions

Conversions Part 2

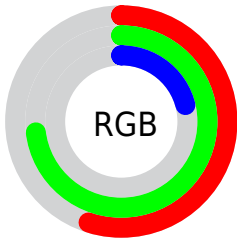
Format	Color
RYB	54, 185, 100
Decimal	9156918
CIELab	69.79, -34.48, 58.34
CIElCh	70, 67.765, 120.588
Yxy	40.4532, 0.3633, 0.5127
Android (android.graphics.Color)	4287346998 (0xFF8BB936)
YUV	156.3120, -50.4398, -15.1826
Hunter-Lab	63.6028, -30.8567, 35.4015

Details

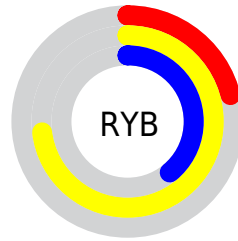
The Yxy color **40.4532, 0.3633, 0.5127** is a dark color, and the websafe version is hex **99CC33**. A complement of this color would be **8.8451, 0.2159, 0.1246**, and the grayscale version is **33.6195, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.7505, 0.3588, 0.4770**, and **18.3873, 0.3585, 0.5536** is the 20% darker color. If you saturate the color by 10%, you get **39.7706, 0.3640, 0.5310**, and if you desaturate by 10%, it is **41.2386, 0.3602, 0.4903**.

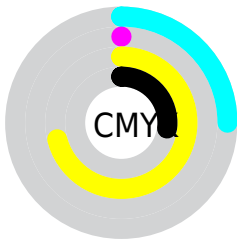
Distribution



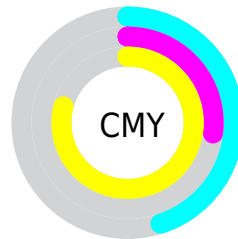
- Red (55%)
- Green (73%)
- Blue (21%)



- Red (21%)
- Yellow (73%)
- Blue (39%)



- Cyan (25%)
- Magenta (0%)
- Yellow (71%)
- Black (27%)





- Cyan (45%)
- Magenta (27%)
- Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.4532, 0.3633, 0.5127 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 40.4532, 0.3633, 0.5127 by changing the saturation by 10% instead.


 40.4532, 0.3633,
0.5127


 40.4532, 0.3633,
0.5127


348.0301, 0.3444,
0.4167

 27.8921, 0.3647,
0.5362


 75.8531, 0.3586,
0.4777


 18.2443, 0.3642,
0.5653


 99.4607, 0.3562,
0.4645

 11.1255, 0.3595,
0.6017


 127.5193, 0.3538,
0.4534

 6.1513, 0.3482,
0.6518

 160.4132, 0.3516,
0.4438

 2.9373, 0.3079,
0.6921

 198.5268, 0.3496,
0.4356

 1.0991, 0.1464,
0.8536

 242.2446, 0.3477,

 0.0000, 0.0000,

0.4285

0.0000

291.9509, 0.3460,
0.4222

■ 40.4532, 0.3633,
0.5127

■ 40.4532, 0.3633,
0.5127

■ 39.7706, 0.3640,
0.5310

■ 41.2386, 0.3602,
0.4903

■ 39.1770, 0.3622,
0.5445

■ 42.1288, 0.3551,
0.4648

■ 38.6970, 0.3589,
0.5532

■ 43.1319, 0.3483,
0.4375

■ 44.2538, 0.3403,
0.4096

■ 45.4999, 0.3315,
0.3821

■ 46.8750, 0.3225,
0.3558

■ 48.3840, 0.3135,
0.3310

■ 50.0312, 0.3046,
0.3080

■ 51.8207, 0.2962,
0.2871

Harmonies

Analogous

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



40.4532, 0.4462, 0.4721



40.4532, 0.3633, 0.5127



40.4532, 0.2724, 0.4829

Triad

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



40.4532, 0.3633, 0.5127



40.4532, 0.1525, 0.2129



40.4532, 0.4316, 0.2741

Complementary

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



40.4532, 0.3633, 0.5127



8.8451, 0.2159, 0.1246

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.



40.4532, 0.3306, 0.2230



40.4532, 0.3633, 0.5127



40.4532, 0.1793, 0.1876

Square

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



40.4532, 0.3633, 0.5127



40.4532, 0.1573, 0.2770



40.4532, 0.2391, 0.1925



40.4532, 0.4973, 0.3371

Rectangle

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



40.4532, 0.3633, 0.5127



40.4532, 0.2191, 0.4194



40.4532, 0.2391, 0.1925



40.4532, 0.3995, 0.2553

Sweetspot

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



40.4550, 0.3633, 0.5127



81.3693, 0.3320, 0.3836



19.6628, 0.4960, 0.3868



17.4058, 0.3344, 0.3910



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.



40.4550, 0.3633, 0.5127



70.6191, 0.3633, 0.5391



36.4048, 0.3123, 0.5464



10.3414, 0.3211, 0.3520



26.3913, 0.3597, 0.5526



0.9635, 0.3755, 0.5401

Inverse Universe

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



8.8451, 0.2159, 0.1246



10.6857, 0.1930, 0.0920



14.1752, 0.2946, 0.1627



8.8686, 0.3037, 0.3058



3.1854, 0.1782, 0.0755



0.1476, 0.2092, 0.0926

Previews

White Background



This preview shows how the Yxy color 40.4532, 0.3633, 0.5127 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 40.4532, 0.3633, 0.5127 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

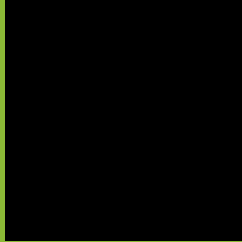
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.4532, 0.3633, 0.5127

Background



This preview shows how black text looks on a background with the Yxy color 40.4532, 0.3633, 0.5127.



This preview shows how white text looks on a background with the Yxy color 40.4532, 0.3633, 0.5127.

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

40.4532, 0.3633, 0.5127

Protanopia

40.0561, 0.4270, 0.4695

Deuteranopia

39.8457, 0.4489, 0.4384



Tritanopia

40.4009, 0.2871, 0.3108

Trichromacy



Original Color

40.4532, 0.3633, 0.5127

Protanomaly

39.6696, 0.4034, 0.4858

Deuteranomaly

39.3900, 0.4160, 0.4655

Tritanomaly

39.6688, 0.3195, 0.3876

Monochromacy



Original Color

40.4532, 0.3633, 0.5127

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

35.4534, 0.3381, 0.4033

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.4532, 0.3633, 0.5127 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(139, 185, 54)` looks like.

```
.text, #text, p{  
    color:rgb(139, 185, 54)  
}
```

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(139, 185, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 185, 54) }
```

Border

The CSS property to change the border of an element to Yxy 40.4532, 0.3633, 0.5127 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(139, 185, 54) }
```

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

```
.border{ border-color:rgb(139, 185, 54) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 185, 54)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 185, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 185, 54);  
box-shadow:4px 4px 4px 4px rgb(139, 185,  
54) }
```


Background

The CSS property to change the background color of an element to Yxy 40.4532, 0.3633, 0.5127 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 185, 54) }
```

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

```
.background{ background-color: rgb(139,  
185, 54) }
```

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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