

Converting Colors

$Y_{xy}(46.1017, 0.3275, 0.4737)$

Have a look what the booklet for
Yxy(46.1017, 0.3275, 0.4737)
contains.

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Color

Yxy(46.1336, 0.3275, 0.4743)

Conversions

Conversions Part 1

Format	Color
Hex	83C664
RGB	131, 198, 100
RGB Percent	51%, 78%, 39%
CMY	0.4862, 0.2235, 0.6079
CMYK	0.34, 0.00, 0.50, 0.22
HSL	101°, 46%, 58%
HSV	101°, 50%, 78%
XYZ	31.8548, 46.1336, 19.2783
YIQ	166.7950, -8.4740, -44.6820

Conversions

Conversions Part 2

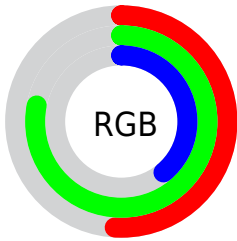
Format	Color
RYB	100, 198, 167
Decimal	8636004
CIELab	73.63, -39.04, 42.23
CIELCh	74, 57.511, 132.748
Yxy	46.1336, 0.3275, 0.4743
Android (android.graphics.Color)	4286826084 (0xFF83C664)
YUV	166.7950, -32.9299, -31.3922
Hunter-Lab	67.9217, -35.1477, 30.7169

Details

The Yxy color **46.1336, 0.3275, 0.4743** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **21.4025, 0.2840, 0.1981**, and the grayscale version is **38.7062, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.3847, 0.3271, 0.4452**, and **21.7460, 0.3257, 0.5212** is the 20% darker color. If you saturate the color by 10%, you get **44.7866, 0.3280, 0.5056**, and if you desaturate by 10%, it is **47.7189, 0.3258, 0.4421**.

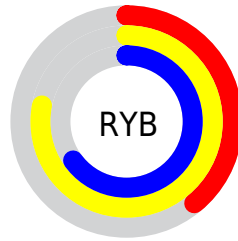
Distribution



Red (51%)

Green (78%)

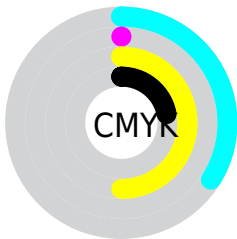
Blue (39%)



Red (39%)

Yellow (78%)

Blue (65%)

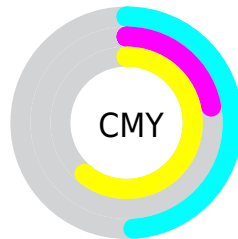


Cyan (34%)

Magenta (0%)

Yellow (50%)

Black (22%)



Cyan (49%)


Magenta (22%)


Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.1336, 0.3275, 0.4743 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 46.1336, 0.3275, 0.4743 by changing the saturation by 10% instead.


 46.1336, 0.3275,
0.4743

 46.1336, 0.3275,
0.4743

371.3455, 0.3236,
0.3976


 32.3513, 0.3271,
0.4943


 84.4189, 0.3271,
0.4457


 21.6299, 0.3255,
0.5202


 109.6907, 0.3266,
0.4351

 13.5852, 0.3217,
0.5548


 139.5610, 0.3261,
0.4263

 7.8328, 0.3127,
0.6021

 174.4144, 0.3255,
0.4188

 3.9881, 0.3038,
0.6962

214.6351, 0.3250,
0.4124

 1.6669, 0.2241,
0.7759

260.6076, 0.3245,


 0.4021, 0.0000,


0.4068

1.0000

312.7163, 0.3240,
0.4019

 0.0000, 0.0000,
0.0000

 46.1336, 0.3275,
0.4743


 46.1336, 0.3275,
0.4743


 44.7866, 0.3280,
0.5056


 47.7189, 0.3258,
0.4421

 43.6597, 0.3270,
0.5342


 49.5478, 0.3232,
0.4104


 42.7411, 0.3244,
0.5581

 51.6329, 0.3199,
0.3805


 42.0157, 0.3204,
0.5758

 53.9841, 0.3163,
0.3529

 41.4599, 0.3155,
0.5873


 56.6106, 0.3125,
0.3278

 41.4356, 0.3153,
0.5879

 59.5213, 0.3087,
0.3054

 62.7247, 0.3050,
0.2856

 66.0087, 0.3038,
0.2712

 68.4568, 0.3137,
0.2729

Harmonies

Analogous

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



46.1336, 0.4016, 0.4670



46.1336, 0.3275, 0.4743



46.1336, 0.2535, 0.4225

Triad

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



46.1336, 0.3275, 0.4743



46.1336, 0.1828, 0.2202



46.1336, 0.4366, 0.3059

Complementary

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



46.1336, 0.3275, 0.4743



21.4025, 0.2840, 0.1981

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.



46.1336, 0.3625, 0.2560



46.1336, 0.3275, 0.4743



46.1336, 0.2180, 0.2082

Square

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



46.1336, 0.3275, 0.4743



46.1336, 0.1762, 0.2624



46.1336, 0.2809, 0.2214



46.1336, 0.4715, 0.3634

Rectangle

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



46.1336, 0.3275, 0.4743



46.1336, 0.2144, 0.3657



46.1336, 0.2809, 0.2214



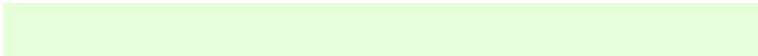
46.1336, 0.4149, 0.2880

Sweetspot

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



46.1356, 0.3275, 0.4743



93.1511, 0.3184, 0.3684



40.5506, 0.4031, 0.4148



19.7515, 0.3192, 0.3744



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.



46.1356, 0.3275, 0.4743



79.2223, 0.3280, 0.5068



44.4052, 0.2951, 0.4564



12.0480, 0.3163, 0.3525



26.9864, 0.3162, 0.5872



1.3169, 0.3329, 0.5739

Inverse Universe

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



21.4025, 0.2840, 0.1981



30.5522, 0.2757, 0.1722



24.4147, 0.3388, 0.2292



10.6418, 0.3088, 0.3059



6.0666, 0.2430, 0.1112



0.3247, 0.2597, 0.1204

Previews

White Background



This preview shows how the Yxy color 46.1336, 0.3275, 0.4743 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 46.1336, 0.3275, 0.4743 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 46.1336, 0.3275, 0.4743

Background



This preview shows how black text looks on a background with the Yxy color 46.1336, 0.3275, 0.4743.



This preview shows how white text looks on a background with the Yxy color 46.1336, 0.3275, 0.4743.

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

46.1336, 0.3275, 0.4743

Protanopia

45.5928, 0.4003, 0.4356

Deuteranopia

45.6057, 0.4152, 0.4066



Tritanopia

46.1008, 0.2721, 0.3086

Trichromacy



Original Color

46.1336, 0.3275, 0.4743

Protanomaly

45.3838, 0.3712, 0.4512

Deuteranomaly

44.6120, 0.3809, 0.4300

Tritanomaly

45.7290, 0.2931, 0.3664

Monochromacy



Original Color

46.1336, 0.3275, 0.4743

Achromatopsia

38.6429, 0.3127, 0.3290

Achromatomaly

40.6940, 0.3199, 0.3805

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.1336, 0.3275, 0.4743 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(131, 198, 100)` looks like.

```
.text, #text, p{  
    color:rgb(131, 198, 100)  
}
```

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(131, 198, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 198, 100) }
```

Border

The CSS property to change the border of an element to Yxy 46.1336, 0.3275, 0.4743 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(131, 198, 100) }
```

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

```
.border{ border-color:rgb(131, 198, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 198, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 198, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 198, 100);  
box-shadow:4px 4px 4px 4px rgb(131, 198,  
100) }
```


Background

The CSS property to change the background color of an element to Yxy 46.1336, 0.3275, 0.4743 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 198, 100) }
```

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

```
.background{ background-color: rgb(131,  
198, 100) }
```

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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