

Converting Colors

$Yxy(60.0087, 0.3049, 0.4483)$

Have a look what the booklet for
Yxy(60.0087, 0.3049, 0.4483)
contains.

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Color

Yxy(60.1040, 0.3047, 0.4483)

Conversions

Conversions Part 1

Format	Color
Hex	85E089
RGB	133, 224, 137
RGB Percent	52%, 88%, 54%
CMY	0.4782, 0.1216, 0.4627
CMYK	0.41, 0.00, 0.39, 0.12
HSL	123°, 59%, 70%
HSV	123°, 41%, 88%
XYZ	40.8514, 60.1040, 33.1155
YIQ	186.8730, -26.3090, -46.3490

Conversions

Conversions Part 2

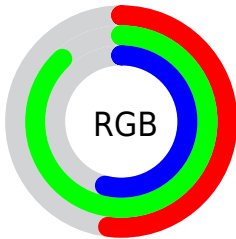
Format	Color
RYB	133, 220, 224
Decimal	8773769
CIELab	81.89, -44.63, 34.28
CIELCh	82, 56.275, 142.466
Yxy	60.1040, 0.3047, 0.4483
Android (android.graphics.Color)	4286963849 (0xFF85E089)
YUV	186.8730, -24.5874, -47.2466
Hunter-Lab	77.5268, -41.6143, 28.9430

Details

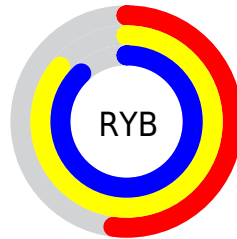
The Yxy color **60.1040, 0.3047, 0.4483** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **37.8095, 0.3210, 0.2331**, and the grayscale version is **49.7804, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.2287, 0.3087, 0.4009**, and **30.2549, 0.2992, 0.4829** is the 20% darker color. If you saturate the color by 10%, you get **57.9174, 0.3028, 0.4832**, and if you desaturate by 10%, it is **62.8066, 0.3067, 0.4146**.

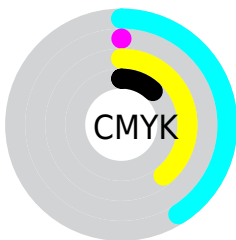
Distribution



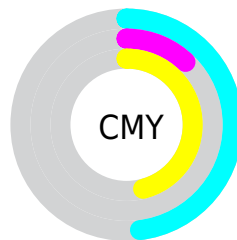
- Red (52%)
- Green (88%)
- Blue (54%)



- Red (52%)
- Yellow (86%)
- Blue (88%)



- Cyan (41%)
- Magenta (0%)
- Yellow (39%)
- Black (12%)





- Cyan (48%)
- Magenta (12%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 60.1040, 0.3047, 0.4483 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 60.1040, 0.3047, 0.4483 by changing the saturation by 10% instead.


 60.1040, 0.3047,
0.4483


 60.1040, 0.3047,
0.4483


424.9810, 0.3108,
0.3876

 43.5025, 0.3026,
0.4636


 104.9805, 0.3074,
0.4261

 30.2796, 0.2994,
0.4832


 134.0243, 0.3082,
0.4178

 20.0509, 0.2947,
0.5093


 167.9843, 0.3089,
0.4108

 12.4320, 0.2869,
0.5451

207.2448, 0.3094,
0.4048

 7.0386, 0.2732,
0.5968

252.1904, 0.3099,
0.3996

 3.4863, 0.2544,
0.6972

303.2054, 0.3102,

 1.3906, 0.1045,

0.3951

0.8955

360.6741, 0.3105,
0.3911

■ 0.2098, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 60.1040, 0.3047,
0.4483

■ 60.1040, 0.3047,
0.4483

■ 57.9174, 0.3028,
0.4832

■ 62.8066, 0.3067,
0.4146

■ 56.2069, 0.3012,
0.5172


■ 66.0470, 0.3088,
0.3833

■ 54.9394, 0.3000,
0.5478

■ 69.8548, 0.3108,
0.3552

■ 54.0738, 0.2993,
0.5725

■ 74.2555, 0.3126,
0.3304

 53.5616, 0.2993,
0.5893

 79.2728, 0.3143,
0.3088

 53.3297, 0.2994,
0.5979

 81.7885, 0.3141,
0.2989

Harmonies

Analogous

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



60.1040, 0.3739, 0.4602



60.1040, 0.3047, 0.4483



60.1040, 0.2414, 0.3886

Triad

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



60.1040, 0.3047, 0.4483



60.1040, 0.2018, 0.2239



60.1040, 0.4387, 0.3257

Complementary

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



60.1040, 0.3047, 0.4483



37.8095, 0.3210, 0.2331

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.



60.1040, 0.3813, 0.2764



60.1040, 0.3047, 0.4483



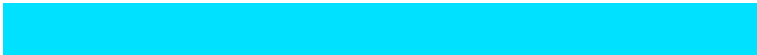
60.1040, 0.2430, 0.2202

Square

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



60.1040, 0.3047, 0.4483



60.1040, 0.1872, 0.2539



60.1040, 0.3073, 0.2392



60.1040, 0.4560, 0.3795

Rectangle

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



60.1040, 0.3047, 0.4483



60.1040, 0.2108, 0.3371



60.1040, 0.3073, 0.2392



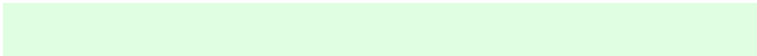
60.1040, 0.4232, 0.3084

Sweetspot

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



60.1065, 0.3047, 0.4483



92.9072, 0.3105, 0.3592



70.3702, 0.3709, 0.4300



19.7358, 0.3102, 0.3627



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.



60.1065, 0.3047, 0.4483



78.0321, 0.3030, 0.4788



61.6595, 0.2797, 0.3855



15.3468, 0.3110, 0.3522



31.0478, 0.2992, 0.5971



2.1555, 0.2969, 0.5887

Inverse Universe

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



37.8095, 0.3210, 0.2331



44.1148, 0.3230, 0.2145



35.7540, 0.3668, 0.2795



13.9248, 0.3145, 0.3069



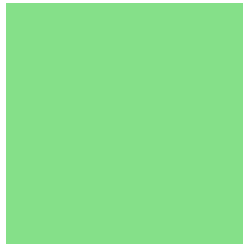
12.0637, 0.3320, 0.1603



0.8394, 0.3302, 0.1592

Previews

White Background



This preview shows how the Yxy color 60.1040, 0.3047, 0.4483 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 60.1040, 0.3047, 0.4483 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 60.1040, 0.3047, 0.4483

Background



This preview shows how black text looks on a background with the Yxy color 60.1040, 0.3047, 0.4483.

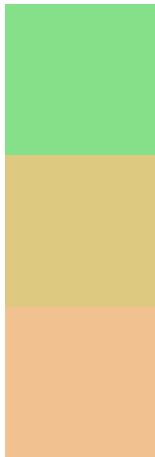


This preview shows how white text looks on a background with the Yxy color 60.1040, 0.3047, 0.4483.

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

60.1040, 0.3047, 0.4483

Protanopia

59.1717, 0.3836, 0.4139

Deuteranopia

59.2980, 0.3921, 0.3837



Tritanopia

59.9771, 0.2620, 0.3080

Trichromacy



Original Color

60.1040, 0.3047, 0.4483



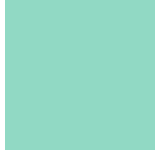
Protanomaly

58.5507, 0.3515, 0.4276



Deuteranomaly

58.1423, 0.3569, 0.4070



Tritanomaly

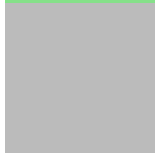
59.6310, 0.2775, 0.3563

Monochromacy



Original Color

60.1040, 0.3047, 0.4483



Achromatopsia

49.6933, 0.3127, 0.3290



Achromatomaly

52.3886, 0.3092, 0.3703

CSS Examples

Text

The CSS property to change the color of the text to Yxy 60.1040, 0.3047, 0.4483 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(133, 224, 137)` looks like.

```
.text, #text, p{  
    color:rgb(133, 224, 137)  
}
```

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(133, 224, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 224, 137) }
```

Border

The CSS property to change the border of an element to Yxy 60.1040, 0.3047, 0.4483 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(133, 224, 137) }
```

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

```
.border{ border-color:rgb(133, 224, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 224, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 224, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 224, 137);  
box-shadow:4px 4px 4px 4px rgb(133, 224,  
137) }
```


Background

The CSS property to change the background color of an element to Yxy 60.1040, 0.3047, 0.4483 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 224, 137) }
```

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

```
.background{ background-color: rgb(133,  
224, 137) }
```

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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