

Converting Colors

$Yxy(61.0912, 0.3039, 0.4745)$

Have a look what the booklet for
Yxy(61.0912, 0.3039, 0.4745)
contains.

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Color

Yxy(60.9099, 0.3042, 0.4743)

Conversions

Conversions Part 1

Format	Color
Hex	78E47B
RGB	120, 228, 123
RGB Percent	47%, 89%, 48%
CMY	0.5294, 0.1059, 0.5175
CMYK	0.47, 0.00, 0.46, 0.11
HSL	122°, 67%, 68%
HSV	122°, 47%, 89%
XYZ	39.0656, 60.9099, 28.4452
YIQ	183.7380, -30.6630, -55.5510

Conversions

Conversions Part 2

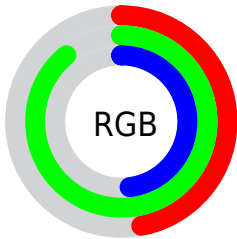
Format	Color
RYB	120, 225, 228
Decimal	7922811
CIELab	82.33, -52.08, 41.68
CIELCh	82, 66.709, 141.331
Yxy	60.9099, 0.3042, 0.4743
Android (android.graphics.Color)	4286112891 (0xFF78E47B)
YUV	183.7380, -29.9438, -55.8982
Hunter-Lab	78.0448, -47.2297, 33.0218

Details

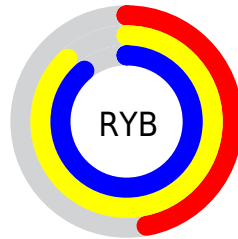
The Yxy color **60.9099, 0.3042, 0.4743** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **35.3625, 0.3210, 0.2170**, and the grayscale version is **47.9641, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.1593, 0.3091, 0.4192**, and **30.9336, 0.2970, 0.5166** is the 20% darker color. If you saturate the color by 10%, you get **58.9780, 0.3025, 0.5092**, and if you desaturate by 10%, it is **63.3606, 0.3061, 0.4391**.

Distribution



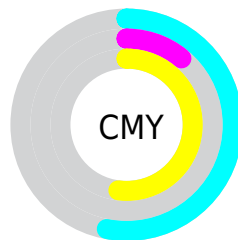
- Red (47%)
- Green (89%)
- Blue (48%)



- Red (47%)
- Yellow (88%)
- Blue (89%)



- Cyan (47%)
- Magenta (0%)
- Yellow (46%)
- Black (11%)




- Cyan (53%)
- Magenta (11%)
- Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 60.9099, 0.3042, 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 60.9099, 0.3042, 0.4743 by changing the saturation by 10% instead.

 60.9099, 0.3042,
0.4743


 60.9099, 0.3042,
0.4743

427.9436, 0.3116,
0.4000


 44.1525, 0.3014,
0.4930

 106.1485, 0.3076,
0.4471

 30.7904, 0.2972,
0.5169


 135.3984, 0.3087,
0.4369

 20.4393, 0.2907,
0.5483


 169.5812, 0.3095,
0.4284

 12.7148, 0.2799,
0.5909

209.0814, 0.3101,
0.4210

 7.2324, 0.2609,
0.6507

254.2834, 0.3106,
0.4147

 3.6079, 0.2338,
0.7662

305.5715, 0.3110,

 1.4567, 0.0175,

0.4092

0.9825

363.3301, 0.3113,
0.4043

0.2580, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

60.9099, 0.3042,
0.4743

60.9099, 0.3042,
0.4743

58.9780, 0.3025,
0.5092

63.3606, 0.3061,
0.4391

57.5206, 0.3011,
0.5412


66.3555, 0.3080,
0.4055


56.4989, 0.3001,
0.5678

69.9274, 0.3098,
0.3747

55.8646, 0.2997,
0.5867

74.1043, 0.3115,
0.3471

 55.5543, 0.2997,
0.5970

 78.9124, 0.3131,
0.3230

 55.5026, 0.2996,
0.5986

 83.9685, 0.3139,
0.3029

Harmonies

Analogous

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



60.9099, 0.3841, 0.4824



60.9099, 0.3042, 0.4743



60.9099, 0.2309, 0.4035

Triad

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



60.9099, 0.3042, 0.4743



60.9099, 0.1842, 0.2082



60.9099, 0.4596, 0.3207

Complementary

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



60.9099, 0.3042, 0.4743



35.3625, 0.3210, 0.2170

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.



60.9099, 0.3900, 0.2659



60.9099, 0.3042, 0.4743



60.9099, 0.2292, 0.2040

Square

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



60.9099, 0.3042, 0.4743



60.9099, 0.1687, 0.2422



60.9099, 0.3023, 0.2247



60.9099, 0.4804, 0.3815

Rectangle

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



60.9099, 0.3042, 0.4743



60.9099, 0.1958, 0.3406



60.9099, 0.3023, 0.2247



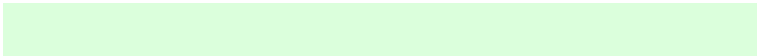
60.9099, 0.4407, 0.3015

Sweetspot

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



60.9125, 0.3042, 0.4743



91.8099, 0.3104, 0.3653



73.0462, 0.3811, 0.4449



19.4113, 0.3100, 0.3714



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.



60.9125, 0.3042, 0.4743



76.0212, 0.3025, 0.5091



62.6084, 0.2764, 0.3996



16.0957, 0.3112, 0.3526



32.0511, 0.2995, 0.5982



2.3708, 0.2980, 0.5929

Inverse Universe

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



35.3625, 0.3210, 0.2170



39.2968, 0.3227, 0.1976



32.9140, 0.3781, 0.2695



14.6079, 0.3142, 0.3065



12.5606, 0.3280, 0.1581



0.9304, 0.3269, 0.1575

Previews

White Background



This preview shows how the Yxy color 60.9099, 0.3042, 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 60.9099, 0.3042, 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 60.9099, 0.3042, 0.4743

Background



This preview shows how black text looks on a background with the Yxy color 60.9099, 0.3042, 0.4743.



This preview shows how white text looks on a background with the Yxy color 60.9099, 0.3042, 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

60.9099, 0.3042, 0.4743

Protanopia

60.2479, 0.3948, 0.4296

Deuteranopia

59.6347, 0.4058, 0.3964



Tritanopia

60.8346, 0.2560, 0.3079

Trichromacy



Original Color

60.9099, 0.3042, 0.4743



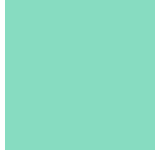
Protanomaly

59.3120, 0.3570, 0.4481



Deuteranomaly

57.9805, 0.3641, 0.4240



Tritanomaly

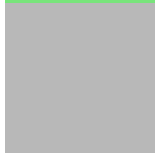
60.1876, 0.2739, 0.3646

Monochromacy



Original Color

60.9099, 0.3042, 0.4743



Achromatopsia

47.9320, 0.3127, 0.3290



Achromatomaly

51.4943, 0.3095, 0.3806

CSS Examples

Text

The CSS property to change the color of the text to Yxy 60.9099, 0.3042, 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(120, 228, 123)` looks like.

```
.text, #text, p{  
    color:rgb(120, 228, 123)  
}
```

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(120, 228, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 228, 123) }
```

Border

The CSS property to change the border of an element to Yxy 60.9099, 0.3042, 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(120, 228, 123) }
```

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

```
.border{ border-color:rgb(120, 228, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 228, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 228, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 228, 123);  
box-shadow:4px 4px 4px 4px rgb(120, 228,  
123) }
```


Background

The CSS property to change the background color of an element to Yxy 60.9099, 0.3042, 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(120, 228, 123) }
```

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

```
.background{ background-color: rgb(120,  
228, 123) }
```

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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