

Converting Colors

Yxy(60.1243, 0.3051, 0.4919)

Have a look what the booklet for
Yxy(60.1243, 0.3051, 0.4919)
contains.

Yxy(60.0792, 0.3056, 0.4923)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(60.0792, 0.3056, 0.4923)

Conversions

Conversions Part 1

Format	Color
Hex	70E46F
RGB	112, 228, 111
RGB Percent	44%, 89%, 44%
CMY	0.5607, 0.1059, 0.5648
CMYK	0.51, 0.00, 0.51, 0.11
HSL	119°, 68%, 66%
HSV	119°, 51%, 89%
XYZ	37.2947, 60.0792, 24.6638
YIQ	179.9780, -31.5790, -60.9790

Conversions

Conversions Part 2

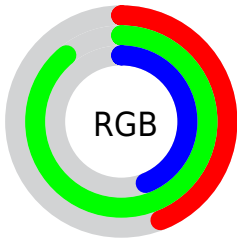
Format	Color
RYB	111, 228, 227
Decimal	7398511
CIELab	81.88, -55.85, 46.84
CIELCh	82, 72.896, 140.013
Yxy	60.0792, 0.3056, 0.4923
Android (android.graphics.Color)	4285588591 (0xFF70E46F)
YUV	179.9780, -34.0062, -59.6167
Hunter-Lab	77.5108, -49.7576, 35.3915

Details

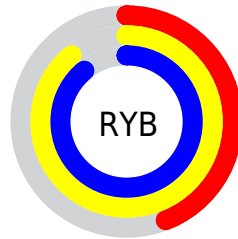
The Yxy color **60.0792, 0.3056, 0.4923** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **33.2938, 0.3175, 0.2058**, and the grayscale version is **45.8297, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.8945, 0.3112, 0.4347**, and **30.4492, 0.2975, 0.5404** is the 20% darker color. If you saturate the color by 10%, you get **58.3408, 0.3040, 0.5267**, and if you desaturate by 10%, it is **62.3228, 0.3072, 0.4563**.

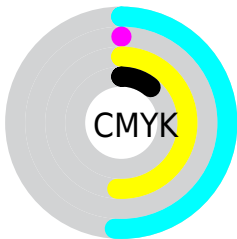
Distribution



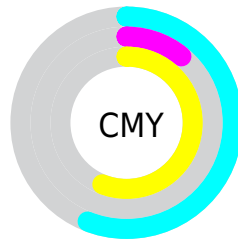
- Red (44%)
- Green (89%)
- Blue (44%)



- Red (44%)
- Yellow (89%)
- Blue (89%)



- Cyan (51%)
- Magenta (0%)
- Yellow (51%)
- Black (11%)




- Cyan (56%)
- Magenta (11%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 60.0792, 0.3056, 0.4923 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 60.0792, 0.3056, 0.4923 by changing the saturation by 10% instead.


 60.0792, 0.3056,
0.4923


 60.0792, 0.3056,
0.4923


424.8896, 0.3133,
0.4084


 43.4825, 0.3024,
0.5134


 104.9445, 0.3094,
0.4616

 30.2639, 0.2974,
0.5402


 133.9820, 0.3105,
0.4501

 20.0389, 0.2896,
0.5753


 167.9351, 0.3113,
0.4404

 12.4234, 0.2765,
0.6223

 207.1882, 0.3119,
0.4321

 7.0327, 0.2544,
0.6899

252.1259, 0.3124,
0.4250

 3.4826, 0.2130,
0.7870

303.1324, 0.3128,

 1.3885, 0.0000,

0.4187

1.0000

360.5922, 0.3131,
0.4133

■ 0.2083, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 60.0792, 0.3056,
0.4923

■ 60.0792, 0.3056,
0.4923

■ 58.3408, 0.3040,
0.5267

■ 62.3228, 0.3072,
0.4563

■ 57.0617, 0.3025,
0.5566


■ 65.0984, 0.3088,
0.4211

■ 56.2005, 0.3013,
0.5795

■ 68.4398, 0.3102,
0.3882


■ 55.7049, 0.3005,
0.5938

■ 72.3760, 0.3115,
0.3584

 55.5019, 0.3001,
0.5999

 76.9337, 0.3126,
0.3322

 82.1384, 0.3135,
0.3094

 83.9690, 0.3139,
0.3029

Harmonies

Analogous

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



60.0792, 0.3919, 0.4951



60.0792, 0.3056, 0.4923



60.0792, 0.2258, 0.4158

Triad

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



60.0792, 0.3056, 0.4923



60.0792, 0.1728, 0.1992



60.0792, 0.4714, 0.3158

Complementary

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



60.0792, 0.3056, 0.4923



33.2938, 0.3175, 0.2058

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.



60.0792, 0.3930, 0.2580



60.0792, 0.3056, 0.4923



60.0792, 0.2191, 0.1940

Square

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



60.0792, 0.3056, 0.4923



60.0792, 0.1577, 0.2361



60.0792, 0.2968, 0.2150



60.0792, 0.4957, 0.3803

Rectangle

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



60.0792, 0.3056, 0.4923



60.0792, 0.1875, 0.3453



60.0792, 0.2968, 0.2150



60.0792, 0.4500, 0.2955

Sweetspot

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



60.0817, 0.3056, 0.4923



91.2816, 0.3110, 0.3692



72.0638, 0.3884, 0.4509



19.3071, 0.3108, 0.3755



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.



60.0817, 0.3056, 0.4923



74.9940, 0.3038, 0.5301



61.6775, 0.2763, 0.4124



16.0952, 0.3117, 0.3533



32.0502, 0.3002, 0.5998



2.3705, 0.3008, 0.5994

Inverse Universe

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



33.2938, 0.3175, 0.2058



36.7485, 0.3181, 0.1854



30.8170, 0.3813, 0.2607



14.6085, 0.3137, 0.3058



12.5736, 0.3187, 0.1530



0.9312, 0.3191, 0.1531

Previews

White Background



This preview shows how the Yxy color 60.0792, 0.3056, 0.4923 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 60.0792, 0.3056, 0.4923 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

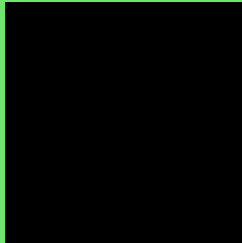
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

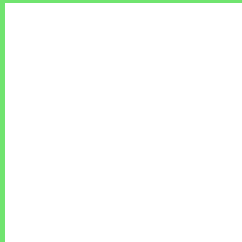
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 60.0792, 0.3056, 0.4923

Background



This preview shows how black text looks on a background with the Yxy color 60.0792, 0.3056, 0.4923.

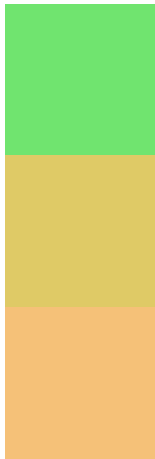


This preview shows how white text looks on a background with the Yxy color 60.0792, 0.3056, 0.4923.

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

60.0792, 0.3056, 0.4923

Protanopia

58.8883, 0.4028, 0.4397

Deuteranopia

58.9085, 0.4146, 0.4063



Tritanopia

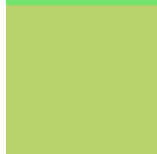
59.8303, 0.2538, 0.3077

Trichromacy



Original Color

60.0792, 0.3056, 0.4923



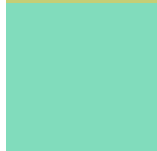
Protanomaly

57.6757, 0.3625, 0.4608



Deuteranomaly

57.2973, 0.3689, 0.4376



Tritanomaly

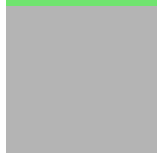
59.4844, 0.2733, 0.3719

Monochromacy



Original Color

60.0792, 0.3056, 0.4923



Achromatopsia

45.6411, 0.3127, 0.3290



Achromatomaly

49.2676, 0.3100, 0.3876

CSS Examples

Text

The CSS property to change the color of the text to Yxy 60.0792, 0.3056, 0.4923 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(112, 228, 111)` looks like.

```
.text, #text, p{  
    color:rgb(112, 228, 111)  
}
```

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(112, 228, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 228, 111) }
```

Border

The CSS property to change the border of an element to Yxy 60.0792, 0.3056, 0.4923 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(112, 228, 111) }
```

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

```
.border{ border-color:rgb(112, 228, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 228, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 228, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 228, 111);  
box-shadow:4px 4px 4px 4px rgb(112, 228,  
111) }
```


Background

The CSS property to change the background color of an element to Yxy 60.0792, 0.3056, 0.4923 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 228, 111) }
```

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

```
.background{ background-color: rgb(112,  
228, 111) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor