

Converting Colors

Yxy(59.7549, 0.3521, 0.4583)

Have a look what the booklet for
Yxy(59.7549, 0.3521, 0.4583)
contains.

Yxy(59.7690, 0.3520, 0.4583)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(59.7690, 0.3520, 0.4583)

Conversions

Conversions Part 1

Format	Color
Hex	B2D871
RGB	178, 216, 113
RGB Percent	70%, 85%, 44%
CMY	0.3017, 0.1530, 0.5569
CMYK	0.18, 0.00, 0.48, 0.15
HSL	82°, 57%, 65%
HSV	82°, 48%, 85%
XYZ	45.9059, 59.7690, 24.7396
YIQ	192.8960, 10.4150, -40.0890

Conversions

Conversions Part 2

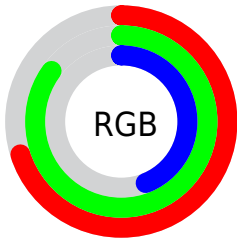
Format	Color
RYB	113, 216, 151
Decimal	11720817
CIELab	81.71, -28.88, 46.43
CIELCh	82, 54.677, 121.882
Yxy	59.7690, 0.3520, 0.4583
Android (android.graphics.Color)	4289910897 (0xFFB2D871)
YUV	192.8960, -39.3887, -13.0638
Hunter-Lab	77.3104, -29.3022, 35.1442

Details

The Yxy color **59.7690, 0.3520, 0.4583** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **23.3418, 0.2540, 0.1910**, and the grayscale version is **53.5023, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.9722, 0.3512, 0.4195**, and **30.0376, 0.3575, 0.4936** is the 20% darker color. If you saturate the color by 10%, you get **58.4272, 0.3574, 0.4849**, and if you desaturate by 10%, it is **61.2864, 0.3450, 0.4302**.

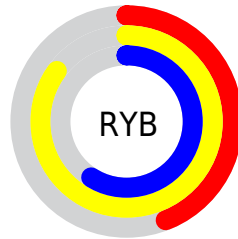
Distribution



Red (70%)

Green (85%)

Blue (44%)



Red (44%)

Yellow (85%)

Blue (59%)

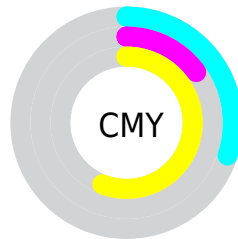


Cyan (18%)

Magenta (0%)

Yellow (48%)

Black (15%)



Cyan (30%)


Magenta (15%)


Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 59.7690, 0.3520, 0.4583 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 59.7690, 0.3520, 0.4583 by changing the saturation by 10% instead.

 59.7690, 0.3520,
0.4583

 59.7690, 0.3520,
0.4583


423.7458, 0.3360,
0.3942

 43.2325, 0.3547,
0.4737


 104.4945, 0.3471,
0.4354

 30.0676, 0.3574,
0.4928


 133.4523, 0.3450,
0.4267

 19.8899, 0.3597,
0.5173


 167.3192, 0.3431,
0.4192

 12.3150, 0.3603,
0.5490

206.4798, 0.3414,
0.4128

 6.9586, 0.3579,
0.5929

251.3183, 0.3398,
0.4073

 3.4362, 0.3458,
0.6542

302.2192, 0.3384,

 1.3635, 0.2789,

0.4024

0.7211

359.5669, 0.3372,
0.3981

0.1896, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

59.7690, 0.3520,
0.4583

59.7690, 0.3520,
0.4583

58.4272, 0.3574,
0.4849

61.2864, 0.3450,
0.4302

57.2439, 0.3607,
0.5088


62.9800, 0.3370,
0.4019


56.2112, 0.3617,
0.5288


64.8601, 0.3284,
0.3743


55.3172, 0.3602,
0.5438

66.9340, 0.3195,
0.3480


 54.5455, 0.3565,
0.5539

 69.2085, 0.3107,
0.3235

 54.3781, 0.3555,
0.5559

 71.6899, 0.3022,
0.3010

 73.7779, 0.2998,
0.2893

 75.1530, 0.3052,
0.2899

 76.5894, 0.3108,
0.2906

Harmonies

Analogous

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



59.7690, 0.4126, 0.4397



59.7690, 0.3520, 0.4583



59.7690, 0.2843, 0.4307

Triad

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



59.7690, 0.3520, 0.4583



59.7690, 0.1917, 0.2437



59.7690, 0.4002, 0.2920

Complementary

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



59.7690, 0.3520, 0.4583



23.3418, 0.2540, 0.1910

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.



59.7690, 0.3302, 0.2510



59.7690, 0.3520, 0.4583



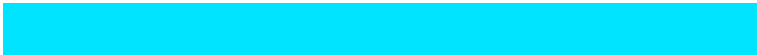
59.7690, 0.2143, 0.2226

Square

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



59.7690, 0.3520, 0.4583



59.7690, 0.1958, 0.2924



59.7690, 0.2624, 0.2263



59.7690, 0.4454, 0.3425

Rectangle

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



59.7690, 0.3520, 0.4583



59.7690, 0.2443, 0.3884



59.7690, 0.2624, 0.2263



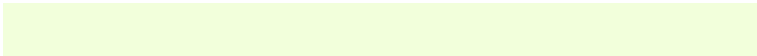
59.7690, 0.3782, 0.2769

Sweetspot

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



59.7716, 0.3520, 0.4583



95.5009, 0.3252, 0.3648



37.8478, 0.4196, 0.3752



20.3037, 0.3272, 0.3706



0.0000, 0.0000, 0.0000



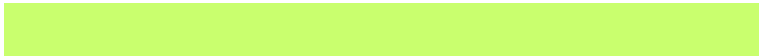
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



59.7716, 0.3520, 0.4583



85.1194, 0.3573, 0.4846



54.7918, 0.3143, 0.4751



14.2807, 0.3210, 0.3524



32.2520, 0.3565, 0.5552



1.9916, 0.3674, 0.5465

Inverse Universe

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



23.3418, 0.2540, 0.1910



26.1032, 0.2384, 0.1607



29.3611, 0.3042, 0.2090



12.2292, 0.3038, 0.3053



3.9892, 0.1801, 0.0766



0.2869, 0.1997, 0.0874

Previews

White Background



This preview shows how the Yxy color 59.7690, 0.3520, 0.4583 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 59.7690, 0.3520, 0.4583 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 59.7690, 0.3520, 0.4583

Background



This preview shows how black text looks on a background with the Yxy color 59.7690, 0.3520, 0.4583.

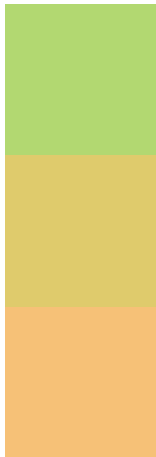


This preview shows how white text looks on a background with the Yxy color 59.7690, 0.3520, 0.4583.

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

59.7690, 0.3520, 0.4583

Protanopia

59.4826, 0.3984, 0.4349

Deuteranopia

59.0647, 0.4162, 0.4069



Tritanopia

59.5595, 0.2929, 0.3101

Trichromacy



Original Color

59.7690, 0.3520, 0.4583

Protanomaly

59.5029, 0.3809, 0.4436

Deuteranomaly

58.4298, 0.3918, 0.4246

Tritanomaly

59.0127, 0.3157, 0.3625

Monochromacy



Original Color

59.7690, 0.3520, 0.4583

Achromatopsia

53.3276, 0.3127, 0.3290

Achromatomaly

55.1450, 0.3294, 0.3759

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.7690, 0.3520, 0.4583 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(178, 216, 113)` looks like.

```
.text, #text, p{  
    color:rgb(178, 216, 113)  
}
```

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(178, 216, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 216, 113) }
```

Border

The CSS property to change the border of an element to Yxy 59.7690, 0.3520, 0.4583 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(178, 216, 113) }
```

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

```
.border{ border-color:rgb(178, 216, 113) }
```

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

Here you see how a box with a 4 pixel rgb(178, 216, 113) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 216, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 216, 113);  
box-shadow:4px 4px 4px 4px rgb(178, 216,  
113) }
```


Background

The CSS property to change the background color of an element to Yxy 59.7690, 0.3520, 0.4583 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 216, 113) }
```

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

```
.background{ background-color: rgb(178,  
216, 113) }
```

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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