

Converting Colors

$Yxy(62.2287, 0.2881, 0.4316)$

Have a look what the booklet for
Yxy(62.2287, 0.2881, 0.4316)
contains.

Yxy(62.3648, 0.2881, 0.4320)	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(62.3648, 0.2881, 0.4320)

Conversions

Conversions Part 1

Format	Color
Hex	78E59A
RGB	120, 229, 154
RGB Percent	47%, 90%, 60%
CMY	0.5296, 0.1019, 0.3962
CMYK	0.48, 0.00, 0.33, 0.10
HSL	139°, 68%, 68%
HSV	139°, 48%, 90%
XYZ	41.5910, 62.3648, 40.4072
YIQ	187.8590, -40.8890, -46.4330

Conversions

Conversions Part 2

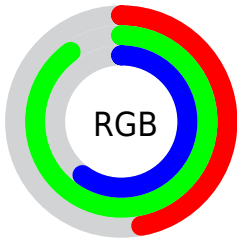
Format	Color
RYB	120, 203, 229
Decimal	7923098
CIELab	83.11, -47.59, 27.15
CIELCh	83, 54.788, 150.294
Yxy	62.3648, 0.2881, 0.4320
Android (android.graphics.Color)	4286113178 (0xFF78E59A)
YUV	187.8590, -16.6925, -59.5123
Hunter-Lab	78.9714, -44.1913, 24.9431

Details

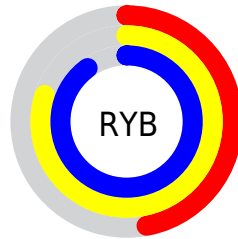
The Yxy color **62.3648, 0.2881, 0.4320** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **34.0205, 0.3529, 0.2456**, and the grayscale version is **50.3126, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.5884, 0.2922, 0.3811**, and **31.8385, 0.2800, 0.4627** is the 20% darker color. If you saturate the color by 10%, you get **60.4310, 0.2850, 0.4585**, and if you desaturate by 10%, it is **64.7641, 0.2923, 0.4066**.

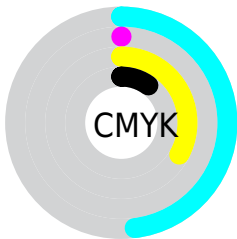
Distribution



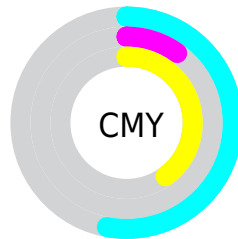
- Red (47%)
- Green (90%)
- Blue (60%)



- Red (47%)
- Yellow (80%)
- Blue (90%)



- Cyan (48%)
- Magenta (0%)
- Yellow (33%)
- Black (10%)





- Cyan (53%)
- Magenta (10%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 62.3648, 0.2881, 0.4320 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 62.3648, 0.2881, 0.4320 by changing the saturation by 10% instead.


 62.3648, 0.2881,
0.4320


 62.3648, 0.2881,
0.4320


433.2605, 0.3014,
0.3799

 45.3275, 0.2845,
0.4451

 108.2526, 0.2932,
0.4130

 31.7155, 0.2797,
0.4619


 137.8719, 0.2950,
0.4059

 21.1443, 0.2730,
0.4842


 172.4540, 0.2965,
0.3998

 13.2295, 0.2633,
0.5152

212.3834, 0.2978,
0.3947

 7.5868, 0.2482,
0.5605

258.0443, 0.2989,
0.3902

 3.8317, 0.2220,
0.6318

309.8212, 0.2999,

 1.5799, 0.1210,

0.3864

0.8790

368.0985, 0.3007,
0.3829

0.3440, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

62.3648, 0.2881,
0.4320

62.3648, 0.2881,
0.4320

60.4310, 0.2850,
0.4585

64.7641, 0.2923,
0.4066

58.9239, 0.2832,
0.4852


67.6493, 0.2973,
0.3830

57.8111, 0.2832,
0.5109

71.0488, 0.3027,
0.3615


57.0518, 0.2848,
0.5345


74.9864, 0.3084,
0.3422

 56.5913, 0.2878,
0.5547

 79.4847, 0.3141,
0.3251

 56.5062, 0.2886,
0.5590

 84.1147, 0.3180,
0.3100

 84.5254, 0.3139,
0.3039

Harmonies

Analogous

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



62.3648, 0.3552, 0.4567



62.3648, 0.2881, 0.4320



62.3648, 0.2312, 0.3671

Triad

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



62.3648, 0.2881, 0.4320



62.3648, 0.2135, 0.2242



62.3648, 0.4424, 0.3397

Complementary

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



62.3648, 0.2881, 0.4320



34.0205, 0.3529, 0.2456

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.



62.3648, 0.3958, 0.2900



62.3648, 0.2881, 0.4320



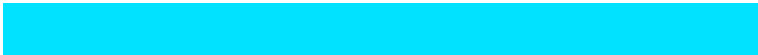
62.3648, 0.2599, 0.2266

Square

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



62.3648, 0.2881, 0.4320



62.3648, 0.1924, 0.2466



62.3648, 0.3262, 0.2500



62.3648, 0.4480, 0.3918

Rectangle

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



62.3648, 0.2881, 0.4320



62.3648, 0.2060, 0.3184



62.3648, 0.3262, 0.2500



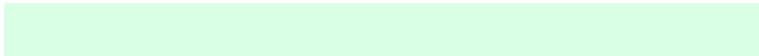
62.3648, 0.4310, 0.3225

Sweetspot

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



62.3674, 0.2881, 0.4320



92.3645, 0.3047, 0.3544



69.1755, 0.3577, 0.4561



19.5447, 0.3035, 0.3587



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.



62.3674, 0.2881, 0.4320



77.1792, 0.2850, 0.4577



64.5498, 0.2603, 0.3571



16.1629, 0.3073, 0.3456



32.3227, 0.2878, 0.5562



2.4048, 0.2797, 0.5268

Inverse Universe

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



34.0205, 0.3529, 0.2456



36.9722, 0.3645, 0.2309



32.0270, 0.4169, 0.3042



14.5346, 0.3185, 0.3130



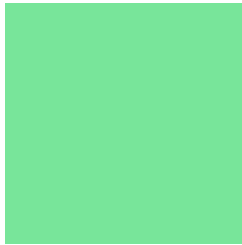
10.9494, 0.4189, 0.2081



0.8257, 0.4010, 0.1983

Previews

White Background



This preview shows how the Yxy color 62.3648, 0.2881, 0.4320 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 62.3648, 0.2881, 0.4320 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 62.3648, 0.2881, 0.4320

Background



This preview shows how black text looks on a background with the Yxy color 62.3648, 0.2881, 0.4320.

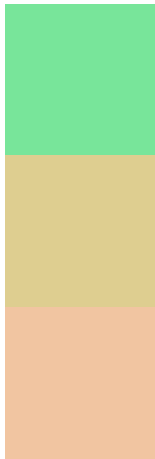


This preview shows how white text looks on a background with the Yxy color 62.3648, 0.2881, 0.4320.

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

62.3648, 0.2881, 0.4320

Protanopia

61.6858, 0.3712, 0.4001

Deuteranopia

61.2065, 0.3773, 0.3685



Tritanopia

62.2946, 0.2536, 0.3080

Trichromacy



Original Color

62.3648, 0.2881, 0.4320



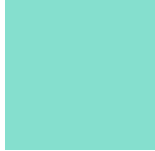
Protanomaly

60.5455, 0.3359, 0.4117



Deuteranomaly

59.9399, 0.3396, 0.3915



Tritanomaly

62.2181, 0.2662, 0.3509

Monochromacy



Original Color

62.3648, 0.2881, 0.4320



Achromatopsia

50.2886, 0.3127, 0.3290



Achromatomaly

53.6330, 0.3013, 0.3648

CSS Examples

Text

The CSS property to change the color of the text to Yxy 62.3648, 0.2881, 0.4320 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, 229, 154)` looks like.

```
.text, #text, p{  
    color:rgb(120, 229, 154)  
}
```

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, 229, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 229, 154) }
```

Border

The CSS property to change the border of an element to Yxy 62.3648, 0.2881, 0.4320 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, 229, 154) }
```

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

```
.border{ border-color:rgb(120, 229, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 229, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 229, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 229, 154);  
box-shadow:4px 4px 4px 4px rgb(120, 229,  
154) }
```


Background

The CSS property to change the background color of an element to Yxy 62.3648, 0.2881, 0.4320 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 229, 154) }
```

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

```
.background{ background-color: rgb(120,  
229, 154) }
```

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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