

Converting Colors

$Yxy(57.2988, 0.2727, 0.4620)$

Have a look what the booklet for
Yxy(57.2988, 0.2727, 0.4620)
contains.

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Color

Yxy(57.2888, 0.2727, 0.4618)

Conversions

Conversions Part 1

Format	Color
Hex	40E289
RGB	64, 226, 137
RGB Percent	25%, 89%, 54%
CMY	0.7486, 0.1137, 0.4628
CMYK	0.72, 0.00, 0.39, 0.11
HSL	147°, 74%, 57%
HSV	147°, 72%, 89%
XYZ	33.8299, 57.2888, 32.9367
YIQ	167.4160, -67.9830, -62.0230

Conversions

Conversions Part 2

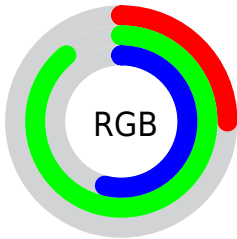
Format	Color
RYB	64, 176, 226
Decimal	4252297
CIELab	80.34, -60.92, 31.85
CIELCh	80, 68.746, 152.400
Yxy	57.2888, 0.2727, 0.4618
Android (android.graphics.Color)	4282442377 (0xFF40E289)
YUV	167.4160, -14.9951, -90.6958
Hunter-Lab	75.6894, -52.6745, 27.1821

Details

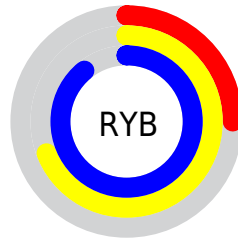
The Yxy color **57.2888, 0.2727, 0.4618** is a dark color, and the websafe version is hex **33CC66**. The color can be described as middle muted spring green. A complement of this color would be **22.1500, 0.4166, 0.2369**, and the grayscale version is **38.9705, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.1871, 0.2779, 0.4076**, and **29.0478, 0.2713, 0.4966** is the 20% darker color. If you saturate the color by 10%, you get **56.3433, 0.2728, 0.4832**, and if you desaturate by 10%, it is **58.5869, 0.2746, 0.4401**.

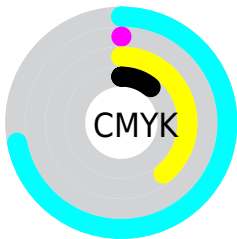
Distribution



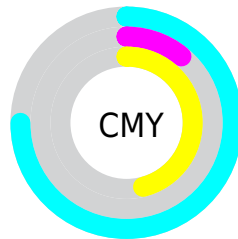
- Red (25%)
- Green (89%)
- Blue (54%)



- Red (25%)
- Yellow (69%)
- Blue (89%)



- Cyan (72%)
- Magenta (0%)
- Yellow (39%)
- Black (11%)





- Cyan (75%)
- Magenta (11%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 57.2888, 0.2727, 0.4618 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 57.2888, 0.2727, 0.4618 by changing the saturation by 10% instead.

 57.2888, 0.2727,
0.4618

 57.2888, 0.2727,
0.4618


414.5306, 0.2946,
0.3927

 41.2372, 0.2667,
0.4797


 100.8865, 0.2811,
0.4362


 28.5044, 0.2586,
0.5029


 129.2013, 0.2841,
0.4267

 18.7063, 0.2474,
0.5341


 162.3726, 0.2866,
0.4188

 11.4582, 0.2310,
0.5780

 200.7848, 0.2887,
0.4120

 6.3759, 0.2051,
0.6427

244.8223, 0.2905,
0.4062

 3.0750, 0.1652,
0.7778

294.8695, 0.2921,

 1.1710, 0.0000,

0.4011

1.0000

351.3108, 0.2934,
0.3967

■ 0.0378, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 57.2888, 0.2727,
0.4618

■ 57.2888, 0.2727,
0.4618

■ 56.3433, 0.2728,
0.4832

■ 58.5869, 0.2746,
0.4401


■ 55.7024, 0.2748,
0.5036


■ 60.2651, 0.2782,
0.4187


■ 55.3463, 0.2776,
0.5194


■ 62.3557, 0.2833,
0.3982


■ 64.8856, 0.2895,
0.3790

 67.8795, 0.2964,
0.3614

 71.3601, 0.3038,
0.3455

 75.3486, 0.3115,
0.3312

 79.8649, 0.3191,
0.3185

 82.4799, 0.3180,
0.3068

Harmonies

Analogous

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



57.2888, 0.3563, 0.4953



57.2888, 0.2727, 0.4618



57.2888, 0.2047, 0.3705

Triad

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



57.2888, 0.2727, 0.4618



57.2888, 0.1923, 0.1982



57.2888, 0.4819, 0.3424

Complementary

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



57.2888, 0.2727, 0.4618



22.1500, 0.4166, 0.2369

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.



57.2888, 0.4253, 0.2827



57.2888, 0.2727, 0.4618



57.2888, 0.2502, 0.2040

Square

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



57.2888, 0.2727, 0.4618



57.2888, 0.1652, 0.2208



57.2888, 0.3352, 0.2339



57.2888, 0.4817, 0.4060

Rectangle

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



57.2888, 0.2727, 0.4618



57.2888, 0.1768, 0.3061



57.2888, 0.3352, 0.2339



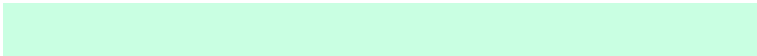
57.2888, 0.4689, 0.3218

Sweetspot

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



57.2911, 0.2727, 0.4618



89.4668, 0.2968, 0.3606



61.5496, 0.3517, 0.5242



18.9000, 0.2948, 0.3653



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.



57.2911, 0.2727, 0.4618



73.6230, 0.2735, 0.4934



60.5422, 0.2354, 0.3397



15.4393, 0.3055, 0.3422



31.5987, 0.2768, 0.5165



2.2081, 0.2685, 0.4866

Inverse Universe

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



22.1500, 0.4166, 0.2369



24.9130, 0.4490, 0.2336



20.3170, 0.5460, 0.3226



13.8260, 0.3206, 0.3162



10.0824, 0.4742, 0.2386



0.7168, 0.4441, 0.2220

Previews

White Background



This preview shows how the Yxy color 57.2888, 0.2727, 0.4618 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 57.2888, 0.2727, 0.4618 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 57.2888, 0.2727, 0.4618

Background



This preview shows how black text looks on a background with the Yxy color 57.2888, 0.2727, 0.4618.



This preview shows how white text looks on a background with the Yxy color 57.2888, 0.2727, 0.4618.

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

57.2888, 0.2727, 0.4618

Protanopia

56.3416, 0.3817, 0.4137

Deuteranopia

55.9320, 0.3874, 0.3786



Tritanopia

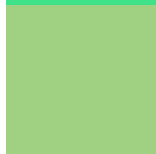
57.1938, 0.2372, 0.3067

Trichromacy



Original Color

57.2888, 0.2727, 0.4618



Protanomaly

54.1970, 0.3295, 0.4346



Deuteranomaly

52.9647, 0.3321, 0.4089



Tritanomaly

56.7690, 0.2497, 0.3595

Monochromacy



Original Color

57.2888, 0.2727, 0.4618



Achromatopsia

38.6429, 0.3127, 0.3290



Achromatomaly

43.1126, 0.2903, 0.3771

CSS Examples

Text

The CSS property to change the color of the text to Yxy 57.2888, 0.2727, 0.4618 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(64, 226, 137)` looks like.

```
.text, #text, p{  
  color:rgb(64, 226, 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(64, 226, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 226, 137) }
```

Border

The CSS property to change the border of an element to Yxy 57.2888, 0.2727, 0.4618 is called "border". The border property can be set on classes, ids or directly on the HTML element.

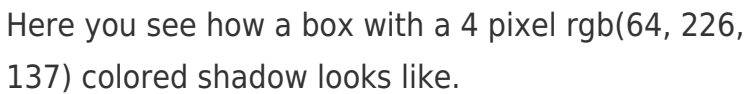
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(64, 226, 137) }
```

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

```
.border{ border-color:rgb(64, 226, 137) }
```

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



Here you see how a box with a 4 pixel `rgb(64, 226, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 226, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 226, 137);  
box-shadow:4px 4px 4px 4px rgb(64, 226,  
137) }
```


Background

The CSS property to change the background color of an element to Yxy 57.2888, 0.2727, 0.4618 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 226, 137) }
```

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

```
.background{ background-color: rgb(64, 226,  
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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