

Converting Colors

$Yxy(60.9413, 0.2688, 0.4510)$

Have a look what the booklet for
Yxy(60.9413, 0.2688, 0.4510)
contains.

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Color

Yxy(60.9413, 0.2688, 0.4510)

Conversions

Conversions Part 1

Format	Color
Hex	40E894
RGB	64, 232, 148
RGB Percent	25%, 91%, 58%
CMY	0.7485, 0.0902, 0.4196
CMYK	0.72, 0.00, 0.36, 0.09
HSL	150°, 78%, 58%
HSV	150°, 72%, 91%
XYZ	36.3216, 60.9413, 37.8620
YIQ	172.1920, -73.1640, -61.7400

Conversions

Conversions Part 2

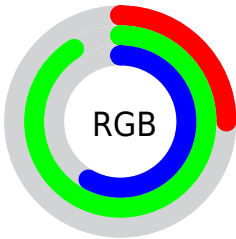
Format	Color
RYB	64, 176, 232
Decimal	4253844
CIELab	82.35, -61.07, 28.92
CIElCh	82, 67.576, 154.658
Yxy	60.9413, 0.2688, 0.4510
Android (android.graphics.Color)	4282443924 (0xFF40E894)
YUV	172.1920, -11.9267, -94.8844
Hunter-Lab	78.0649, -53.5622, 25.8894

Details

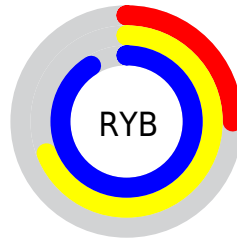
The Yxy color **60.9413, 0.2688, 0.4510** is a light color, and the websafe version is hex **66FF99**. The color can be described as light muted spring green. A complement of this color would be **22.9784, 0.4314, 0.2449**, and the grayscale version is **41.4649, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.8183, 0.2727, 0.3920**, and **31.5045, 0.2676, 0.4834** is the 20% darker color. If you saturate the color by 10%, you get **59.9701, 0.2687, 0.4707**, and if you desaturate by 10%, it is **62.2777, 0.2709, 0.4312**.

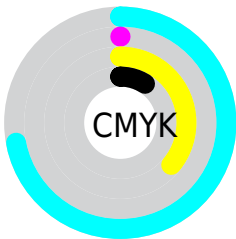
Distribution



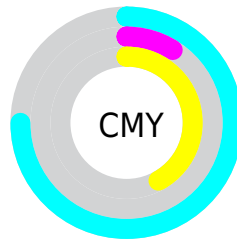
- Red (25%)
- Green (91%)
- Blue (58%)



- Red (25%)
- Yellow (69%)
- Blue (91%)



- Cyan (72%)
- Magenta (0%)
- Yellow (36%)
- Black (9%)




- Cyan (75%)
- Magenta (9%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 60.9413, 0.2688, 0.4510 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 60.9413, 0.2688, 0.4510 by changing the saturation by 10% instead.


 60.9413, 0.2688,
0.4510


 60.9413, 0.2688,
0.4510


428.0587, 0.2920,
0.3884

 44.1778, 0.2627,
0.4670

 106.1939, 0.2775,
0.4280


 30.8103, 0.2547,
0.4876


 135.4519, 0.2806,
0.4194

 20.4544, 0.2439,
0.5151


 169.6434, 0.2833,
0.4122

 12.7258, 0.2284,
0.5536

 209.1529, 0.2856,
0.4060

 7.2400, 0.2049,
0.6101

254.3648, 0.2875,
0.4007

 3.6127, 0.1673,
0.7022

305.6635, 0.2892,

 1.4593, 0.0000,

0.3961

1.0000

363.4333, 0.2907,
0.3920

■ 0.2598, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 60.9413, 0.2688,
0.4510

■ 60.9413, 0.2688,
0.4510

■ 59.9701, 0.2687,
0.4707

■ 62.2777, 0.2709,
0.4312


■ 59.3126, 0.2706,
0.4896

■ 64.0088, 0.2748,
0.4117


■ 58.9704, 0.2731,
0.5033

■ 66.1688, 0.2802,
0.3931


■ 68.7865, 0.2869,
0.3756

 71.8879, 0.2944,
0.3596

 75.4972, 0.3024,
0.3450

 79.6366, 0.3107,
0.3319

 84.3274, 0.3191,
0.3202

 86.0301, 0.3153,
0.3092

Harmonies

Analogous

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



60.9413, 0.3494, 0.4889



60.9413, 0.2688, 0.4510



60.9413, 0.2047, 0.3618

Triad

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



60.9413, 0.2688, 0.4510



60.9413, 0.1993, 0.2017



60.9413, 0.4778, 0.3473

Complementary

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



60.9413, 0.2688, 0.4510



22.9784, 0.4314, 0.2449

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.



60.9413, 0.4268, 0.2885



60.9413, 0.2688, 0.4510



60.9413, 0.2579, 0.2091

Square

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



60.9413, 0.2688, 0.4510



60.9413, 0.1705, 0.2218



60.9413, 0.3413, 0.2398



60.9413, 0.4741, 0.4092

Rectangle

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



60.9413, 0.2688, 0.4510



60.9413, 0.1789, 0.3011



60.9413, 0.3413, 0.2398



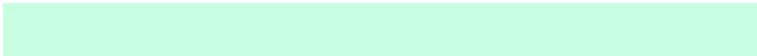
60.9413, 0.4665, 0.3271

Sweetspot

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



60.9438, 0.2688, 0.4510



89.1905, 0.2946, 0.3592



64.6491, 0.3477, 0.5287



18.8522, 0.2924, 0.3634



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.



60.9438, 0.2688, 0.4510



73.8590, 0.2695, 0.4804



64.4741, 0.2328, 0.3324



16.2087, 0.3048, 0.3410



32.7644, 0.2723, 0.5004



2.4399, 0.2649, 0.4737

Inverse Universe

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



22.9784, 0.4314, 0.2449



24.3747, 0.4688, 0.2440



21.2406, 0.5570, 0.3275



14.4877, 0.3214, 0.3173



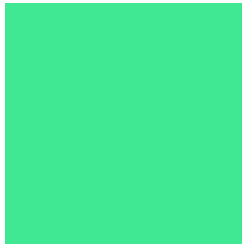
10.2509, 0.4952, 0.2502



0.7763, 0.4629, 0.2324

Previews

White Background



This preview shows how the Yxy color 60.9413, 0.2688, 0.4510 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 60.9413, 0.2688, 0.4510 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

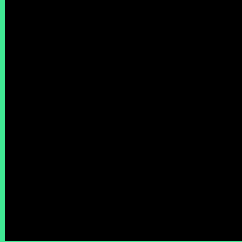
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 60.9413, 0.2688, 0.4510

Background



This preview shows how black text looks on a background with the Yxy color 60.9413, 0.2688, 0.4510.

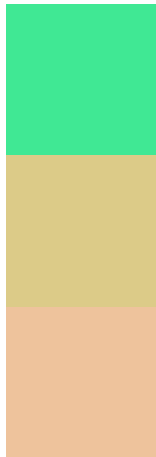


This preview shows how white text looks on a background with the Yxy color 60.9413, 0.2688, 0.4510.

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

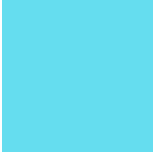
60.9413, 0.2688, 0.4510

Protanopia

59.7051, 0.3765, 0.4064

Deuteranopia

59.6077, 0.3795, 0.3722



Tritanopia

60.7116, 0.2359, 0.3060

Trichromacy



Original Color

60.9413, 0.2688, 0.4510



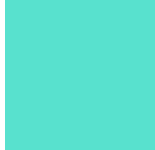
Protanomaly

57.7731, 0.3243, 0.4270



Deuteranomaly

56.5256, 0.3258, 0.4005



Tritanomaly

60.3814, 0.2472, 0.3546

Monochromacy



Original Color

60.9413, 0.2688, 0.4510



Achromatopsia

41.2543, 0.3127, 0.3290



Achromatomaly

46.2145, 0.2881, 0.3742

CSS Examples

Text

The CSS property to change the color of the text to Yxy 60.9413, 0.2688, 0.4510 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, 232, 148)` looks like.

```
.text, #text, p{  
    color:rgb(64, 232, 148)  
}
```

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, 232, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 232, 148) }
```

Border

The CSS property to change the border of an element to Yxy 60.9413, 0.2688, 0.4510 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, 232, 148) }
```

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

```
.border{ border-color:rgb(64, 232, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 232, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 232, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 232, 148);  
box-shadow:4px 4px 4px 4px rgb(64, 232,  
148) }
```


Background

The CSS property to change the background color of an element to Yxy 60.9413, 0.2688, 0.4510 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 232, 148) }
```

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

```
.background{ background-color: rgb(64, 232,  
148) }
```

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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