

Converting Colors

Yxy(59.8781, 0.2742, 0.4536)

Have a look what the booklet for
Yxy(59.8781, 0.2742, 0.4536)
contains.

Yxy(59.6300, 0.2741, 0.4526)	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

$\text{Yxy}(59.6300, 0.2741, 0.4526)$

Conversions

Conversions Part 1

Format	Color
Hex	4DE590
RGB	77, 229, 144
RGB Percent	30%, 90%, 56%
CMY	0.6983, 0.1019, 0.4351
CMYK	0.66, 0.00, 0.37, 0.10
HSL	146°, 75%, 60%
HSV	146°, 66%, 90%
XYZ	36.1126, 59.6300, 36.0072
YIQ	173.8620, -63.3070, -58.6590

Conversions

Conversions Part 2

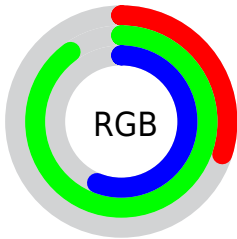
Format	Color
RYB	77, 182, 229
Decimal	5105040
CIELab	81.64, -58.71, 30.03
CIElCh	82, 65.944, 152.907
Yxy	59.6300, 0.2741, 0.4526
Android (android.graphics.Color)	4283295120 (0xFF4DE590)
YUV	173.8620, -14.7220, -84.9480
Hunter-Lab	77.2205, -51.6591, 26.4079

Details

The Yxy color **59.6300, 0.2741, 0.4526** 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 **24.5642, 0.4037, 0.2391**, and the grayscale version is **42.3490, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.2599, 0.2787, 0.3977**, and **30.2954, 0.2683, 0.4859** is the 20% darker color. If you saturate the color by 10%, you get **58.4729, 0.2732, 0.4746**, and if you desaturate by 10%, it is **61.1713, 0.2769, 0.4306**.

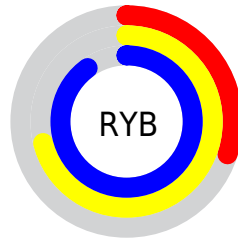
Distribution



Red (30%)

Green (90%)

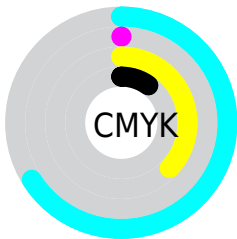
Blue (56%)



Red (30%)

Yellow (71%)

Blue (90%)

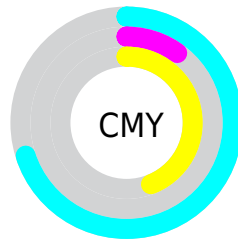


Cyan (66%)

Magenta (0%)

Yellow (37%)

Black (10%)



Cyan (70%)


Magenta (10%)

Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 59.6300, 0.2741, 0.4526 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 59.6300, 0.2741, 0.4526 by changing the saturation by 10% instead.


 59.6300, 0.2741,
0.4526

 59.6300, 0.2741,
0.4526


423.2326, 0.2949,
0.3890

 43.1205, 0.2685,
0.4689

 104.2927, 0.2820,
0.4291


 29.9797, 0.2611,
0.4900

 133.2148, 0.2848,
0.4204

 19.8231, 0.2509,
0.5182


 167.0431, 0.2872,
0.4131

 12.2666, 0.2361,
0.5576

 206.1620, 0.2892,
0.4068

 6.9255, 0.2131,
0.6158

250.9561, 0.2910,
0.4014

 3.4155, 0.1769,
0.7164

301.8096, 0.2924,

 1.3523, 0.0000,

0.3967

1.0000

359.1070, 0.2937,
0.3926

■ 0.1812, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 59.6300, 0.2741,
0.4526

■ 59.6300, 0.2741,
0.4526

■ 58.4729, 0.2732,
0.4746

■ 61.1713, 0.2769,
0.4306

■ 57.6544, 0.2743,
0.4959


■ 63.1226, 0.2812,
0.4092


■ 57.1287, 0.2772,
0.5157


■ 65.5158, 0.2868,
0.3890


■ 56.9827, 0.2784,
0.5224


■ 68.3772, 0.2933,
0.3703

 71.7315, 0.3004,
0.3533

 75.6011, 0.3079,
0.3379

 80.0075, 0.3154,
0.3243

 83.9810, 0.3194,
0.3120

 84.5222, 0.3139,
0.3039

Harmonies

Analogous

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



59.6300, 0.3538, 0.4862



59.6300, 0.2741, 0.4526



59.6300, 0.2093, 0.3669

Triad

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



59.6300, 0.2741, 0.4526



59.6300, 0.1984, 0.2039



59.6300, 0.4735, 0.3439

Complementary

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



59.6300, 0.2741, 0.4526



24.5642, 0.4037, 0.2391

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.



59.6300, 0.4206, 0.2861



59.6300, 0.2741, 0.4526



59.6300, 0.2546, 0.2097

Square

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



59.6300, 0.2741, 0.4526



59.6300, 0.1717, 0.2256



59.6300, 0.3358, 0.2388



59.6300, 0.4733, 0.4049

Rectangle

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



59.6300, 0.2741, 0.4526



59.6300, 0.1825, 0.3065



59.6300, 0.3358, 0.2388



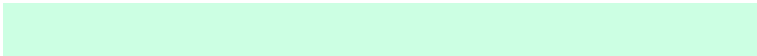
59.6300, 0.4614, 0.3239

Sweetspot

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



59.6324, 0.2741, 0.4526



89.8760, 0.2977, 0.3594



64.3755, 0.3532, 0.5111



18.9787, 0.2957, 0.3642



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.



59.6324, 0.2741, 0.4526



74.1473, 0.2734, 0.4834



62.7251, 0.2392, 0.3422



16.1943, 0.3056, 0.3424



32.6012, 0.2777, 0.5195



2.4275, 0.2697, 0.4910

Inverse Universe

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



24.5642, 0.4037, 0.2391



26.3437, 0.4331, 0.2318



22.6483, 0.5181, 0.3199



14.5022, 0.3205, 0.3159



10.4393, 0.4707, 0.2367



0.7900, 0.4428, 0.2213

Previews

White Background



This preview shows how the Yxy color 59.6300, 0.2741, 0.4526 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 59.6300, 0.2741, 0.4526 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

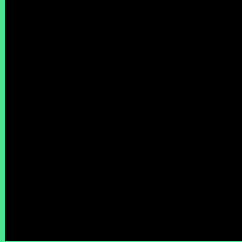
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 59.6300, 0.2741, 0.4526

Background



This preview shows how black text looks on a background with the Yxy color 59.6300, 0.2741, 0.4526.



This preview shows how white text looks on a background with the Yxy color 59.6300, 0.2741, 0.4526.

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

59.6300, 0.2741, 0.4526

Protanopia

58.3722, 0.3778, 0.4082

Deuteranopia

58.4115, 0.3827, 0.3746



Tritanopia

59.4501, 0.2394, 0.3059

Trichromacy



Original Color

59.6300, 0.2741, 0.4526



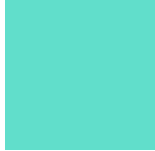
Protanomaly

56.6102, 0.3298, 0.4268



Deuteranomaly

55.8962, 0.3321, 0.4028



Tritanomaly

59.0957, 0.2510, 0.3547

Monochromacy



Original Color

59.6300, 0.2741, 0.4526



Achromatopsia

42.3268, 0.3127, 0.3290



Achromatomaly

46.7169, 0.2924, 0.3737

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.6300, 0.2741, 0.4526 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(77, 229, 144)` looks like.

```
.text, #text, p{  
    color:rgb(77, 229, 144)  
}
```

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(77, 229, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 229, 144) }
```

Border

The CSS property to change the border of an element to Yxy 59.6300, 0.2741, 0.4526 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(77, 229, 144) }
```

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

```
.border{ border-color:rgb(77, 229, 144) }
```

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

Here you see how a box with a 4 pixel rgb(77, 229, 144) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 229, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 229, 144);  
box-shadow:4px 4px 4px 4px rgb(77, 229,  
144) }
```


Background

The CSS property to change the background color of an element to Yxy 59.6300, 0.2741, 0.4526 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 229, 144) }
```

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

```
.background{ background-color: rgb(77, 229,  
144) }
```

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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