

Converting Colors

$Y_{xy}(52.1984, 0.2779, 0.5000)$

Have a look what the booklet for
Yxy(52.1984, 0.2779, 0.5000)
contains.

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Color

Yxy(52.2602, 0.2777, 0.4995)

Conversions

Conversions Part 1

Format	Color
Hex	29DB6E
RGB	41, 219, 110
RGB Percent	16%, 86%, 43%
CMY	0.8401, 0.1411, 0.5686
CMYK	0.81, 0.00, 0.50, 0.14
HSL	143°, 71%, 51%
HSV	143°, 81%, 86%
XYZ	29.0544, 52.2602, 23.3105
YIQ	153.3520, -71.0990, -71.6350

Conversions

Conversions Part 2

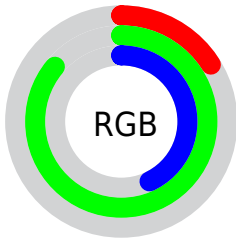
Format	Color
RYB	41, 169, 219
Decimal	2743150
CIELab	77.44, -65.92, 41.45
CIELCh	77, 77.874, 147.839
Yxy	52.2602, 0.2777, 0.4995
Android (android.graphics.Color)	4280933230 (0xFF29DB6E)
YUV	153.3520, -21.3725, -98.5327
Hunter-Lab	72.2912, -54.7692, 31.4857

Details

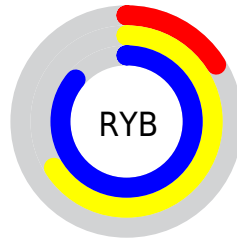
The Yxy color **52.2602, 0.2777, 0.4995** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **18.8280, 0.4183, 0.2219**, and the grayscale version is **32.1088, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.0159, 0.2849, 0.4460**, and **26.1564, 0.2837, 0.5412** is the 20% darker color. If you saturate the color by 10%, you get **51.6625, 0.2798, 0.5212**, and if you desaturate by 10%, it is **53.1560, 0.2774, 0.4762**.

Distribution



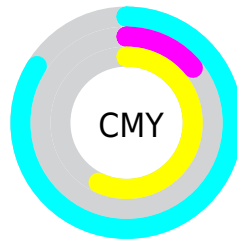
- Red (16%)
- Green (86%)
- Blue (43%)



- Red (16%)
- Yellow (66%)
- Blue (86%)



- Cyan (81%)
- Magenta (0%)
- Yellow (50%)
- Black (14%)





- Cyan (84%)
- Magenta (14%)
- Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 52.2602, 0.2777, 0.4995 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 52.2602, 0.2777, 0.4995 by changing the saturation by 10% instead.


 52.2602, 0.2777,
0.4995


 52.2602, 0.2777,
0.4995


395.4403, 0.2992,
0.4088

 37.2125, 0.2710,
0.5234


 93.5149, 0.2865,
0.4655


 25.3721, 0.2616,
0.5546


 120.4906, 0.2895,
0.4530

 16.3545, 0.2478,
0.5966


 152.2112, 0.2919,
0.4426

 9.7753, 0.2264,
0.6549

 189.0610, 0.2939,
0.4337

 5.2503, 0.1934,
0.7483

 231.4245, 0.2956,
0.4261

 2.3948, 0.0860,
0.9140


279.6859, 0.2970,


 0.8232, 0.0000,


0.4196

1.0000


334.2297, 0.2982,
0.4138


 0.0000, 0.0000,
0.0000


 52.2602, 0.2777,
0.4995

 52.2602, 0.2777,
0.4995


 51.6625, 0.2798,
0.5212

 53.1560, 0.2774,
0.4762

 51.3262, 0.2828,
0.5380

 54.3817, 0.2790,
0.4522

 55.9717, 0.2822,
0.4285

 57.9542, 0.2867,
0.4056

 60.3546, 0.2922,
0.3842

■ 63.1959, 0.2984,
0.3646

■ 66.4996, 0.3050,
0.3469

■ 70.2857, 0.3118,
0.3310

■ 74.5730, 0.3185,
0.3170

Harmonies

Analogous

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



52.2602, 0.3727, 0.5209



52.2602, 0.2777, 0.4995



52.2602, 0.1973, 0.3953

Triad

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



52.2602, 0.2777, 0.4995



52.2602, 0.1696, 0.1824



52.2602, 0.5034, 0.3299

Complementary

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



52.2602, 0.2777, 0.4995



18.8280, 0.4183, 0.2219

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.



52.2602, 0.4290, 0.2657



52.2602, 0.2777, 0.4995



52.2602, 0.2282, 0.1852

Square

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



52.2602, 0.2777, 0.4995



52.2602, 0.1450, 0.2113



52.2602, 0.3213, 0.2145



52.2602, 0.5101, 0.4000

Rectangle

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



52.2602, 0.2777, 0.4995



52.2602, 0.1632, 0.3161



52.2602, 0.3213, 0.2145



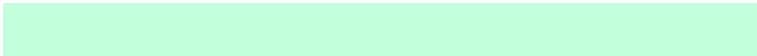
52.2602, 0.4853, 0.3076

Sweetspot

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



52.2623, 0.2777, 0.4995



88.0024, 0.2966, 0.3700



57.3777, 0.3594, 0.5365



18.5259, 0.2944, 0.3770



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.



52.2623, 0.2777, 0.4995



72.5155, 0.2825, 0.5358



55.2236, 0.2368, 0.3586



14.6896, 0.3063, 0.3436



30.4503, 0.2820, 0.5352



1.9893, 0.2728, 0.5021

Inverse Universe

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



18.8280, 0.4183, 0.2219



23.8370, 0.4490, 0.2255



16.9761, 0.5717, 0.3145



13.1847, 0.3197, 0.3148



9.9715, 0.4486, 0.2245



0.6627, 0.4222, 0.2100

Previews

White Background



This preview shows how the Yxy color 52.2602, 0.2777, 0.4995 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 52.2602, 0.2777, 0.4995 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 52.2602, 0.2777, 0.4995

Background



This preview shows how black text looks on a background with the Yxy color 52.2602, 0.2777, 0.4995.



This preview shows how white text looks on a background with the Yxy color 52.2602, 0.2777, 0.4995.

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

52.2602, 0.2777, 0.4995

Protanopia

51.3023, 0.3991, 0.4355

Deuteranopia

51.0618, 0.4075, 0.3984



Tritanopia

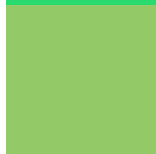
52.1775, 0.2351, 0.3071

Trichromacy



Original Color

52.2602, 0.2777, 0.4995



Protanomaly

49.0687, 0.3379, 0.4657



Deuteranomaly

47.8682, 0.3427, 0.4391



Tritanomaly

51.3824, 0.2495, 0.3717

Monochromacy



Original Color

52.2602, 0.2777, 0.4995



Achromatopsia

31.8547, 0.3127, 0.3290



Achromatomaly

36.6952, 0.2896, 0.3948

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.2602, 0.2777, 0.4995 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(41, 219, 110)` looks like.

```
.text, #text, p{  
    color:rgb(41, 219, 110)  
}
```

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(41, 219, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 219, 110) }
```

Border

The CSS property to change the border of an element to Yxy 52.2602, 0.2777, 0.4995 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(41, 219, 110) }
```

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

```
.border{ border-color:rgb(41, 219, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(41, 219, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 219, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 219, 110);  
box-shadow:4px 4px 4px 4px rgb(41, 219,  
110) }
```


Background

The CSS property to change the background color of an element to Yxy 52.2602, 0.2777, 0.4995 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 219, 110) }
```

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

```
.background{ background-color: rgb(41, 219,  
110) }
```

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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