

Converting Colors

$Y_{xy}(53.1581, 0.2996, 0.5833)$

Have a look what the booklet for
Yxy(53.1581, 0.2996, 0.5833)
contains.

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Color

Yxy(53.2224, 0.2996, 0.5834)

Conversions

Conversions Part 1

Format	Color
Hex	20DF26
RGB	32, 223, 38
RGB Percent	13%, 87%, 15%
CMY	0.8749, 0.1255, 0.8506
CMYK	0.86, 0.00, 0.83, 0.13
HSL	122°, 75%, 50%
HSV	122°, 86%, 87%
XYZ	27.3319, 53.2224, 10.6737
YIQ	144.8010, -54.4510, -98.0270

Conversions

Conversions Part 2

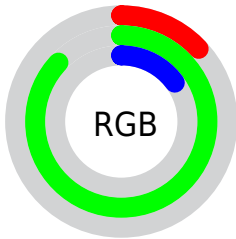
Format	Color
R_{YB}	32, 217, 223
Decimal	2154278
CIE _{Lab}	78.01, -75.17, 69.86
CIE _{LCh}	78, 102.624, 137.097
Yxy	53.2224, 0.2996, 0.5834
Android (android.graphics.Color)	4280344358 (0xFF20DF26)
YUV	144.8010, -52.6529, -98.9265
Hunter-Lab	72.9537, -60.7944, 42.3930

Details

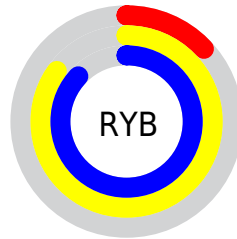
The Yxy color **53.2224, 0.2996, 0.5834** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **21.7157, 0.3277, 0.1638**, and the grayscale version is **28.4572, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.3111, 0.3111, 0.5208**, and **27.2724, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **52.8795, 0.2996, 0.5955**, and if you desaturate by 10%, it is **53.8911, 0.3001, 0.5629**.

Distribution



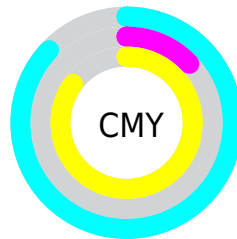
- Red (13%)
- Green (87%)
- Blue (15%)



- Red (13%)
- Yellow (85%)
- Blue (87%)



- Cyan (86%)
- Magenta (0%)
- Yellow (83%)
- Black (13%)





- Cyan (87%)
- Magenta (13%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 53.2224, 0.2996, 0.5834 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 53.2224, 0.2996, 0.5834 by changing the saturation by 10% instead.

 53.2224, 0.2996,
0.5834


 53.2224, 0.2996,
0.5834

399.1378, 0.3174,
0.4502


 37.9803, 0.2912,
0.6158


 94.9315, 0.3090,
0.5350

 25.9674, 0.2783,
0.6556


 122.1674, 0.3117,
0.5167


 16.7993, 0.2578,
0.7044


 154.1700, 0.3135,
0.5012

 10.0915, 0.2278,
0.7722

 191.3238, 0.3149,
0.4880

 5.4597, 0.1729,
0.8271

 234.0130, 0.3158,
0.4765

 2.5194, 0.0231,
0.9769

 282.6222, 0.3165,

 0.8863, 0.0000,

0.4666

1.0000

337.5356, 0.3170,
0.4579

■ 0.0000, 0.0000,
0.0000

■ 53.2224, 0.2996,
0.5834

■ 53.2224, 0.2996,
0.5834

■ 52.8795, 0.2996,
0.5955

■ 53.8911, 0.3001,
0.5629

■ 52.7945, 0.2996,
0.5984

■ 54.9334, 0.3011,
0.5352

■ 56.3956, 0.3025,
0.5025

■ 58.3161, 0.3043,
0.4675

■ 60.7285, 0.3062,
0.4327

■ 63.6637, 0.3081,
0.3997

■ 67.1497, 0.3100,
0.3696

■ 71.2128, 0.3118,
0.3428

■ 75.8775, 0.3134,
0.3193

Harmonies

Analogous

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



53.2224, 0.4139, 0.5493



53.2224, 0.2996, 0.5834



53.2224, 0.1938, 0.4773

Triad

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



53.2224, 0.2996, 0.5834



53.2224, 0.1246, 0.1562



53.2224, 0.5344, 0.2934

Complementary

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



53.2224, 0.2996, 0.5834



21.7157, 0.3277, 0.1638

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.



53.2224, 0.4130, 0.2241



53.2224, 0.2996, 0.5834



53.2224, 0.1764, 0.1496

Square

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



53.2224, 0.2996, 0.5834



53.2224, 0.1088, 0.2019



53.2224, 0.2743, 0.1732



53.2224, 0.5674, 0.3704

Rectangle

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



53.2224, 0.2996, 0.5834



53.2224, 0.1443, 0.3618



53.2224, 0.2743, 0.1732



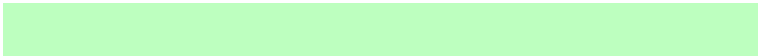
53.2224, 0.5013, 0.2692

Sweetspot

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



53.2246, 0.2996, 0.5834



86.0556, 0.3080, 0.4013



68.0701, 0.4134, 0.5015



18.1073, 0.3074, 0.4126



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.



53.2246, 0.2996, 0.5834



71.5381, 0.2996, 0.5986



54.7128, 0.2676, 0.4715



15.3444, 0.3111, 0.3524



31.0436, 0.2994, 0.5978



2.1543, 0.2976, 0.5915

Inverse Universe

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



21.7157, 0.3277, 0.1638



27.9582, 0.3294, 0.1588



18.1782, 0.4700, 0.2469



13.9276, 0.3143, 0.3066



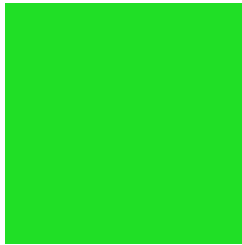
12.1355, 0.3292, 0.1587



0.8436, 0.3278, 0.1579

Previews

White Background



This preview shows how the Yxy color 53.2224, 0.2996, 0.5834 looks on a white background.

Color Contrast Check

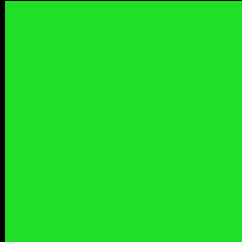
Large Text (above 18pt) WCAG AA × Fail

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 53.2224, 0.2996, 0.5834 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 53.2224, 0.2996, 0.5834

Background



This preview shows how black text looks on a background with the Yxy color 53.2224, 0.2996, 0.5834.



This preview shows how white text looks on a background with the Yxy color 53.2224, 0.2996, 0.5834.

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

53.2224, 0.2996, 0.5834

Protanopia

51.7974, 0.4366, 0.4824

Deuteranopia

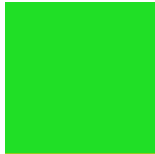
51.7247, 0.4558, 0.4454



Tritanopia

53.0350, 0.2372, 0.3073

Trichromacy



Original Color

53.2224, 0.2996, 0.5834



Protanomaly

49.1121, 0.3677, 0.5338



Deuteranomaly

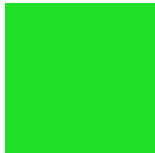
47.6203, 0.3801, 0.5074



Tritanomaly

51.4053, 0.2633, 0.4159

Monochromacy



Original Color

53.2224, 0.2996, 0.5834



Achromatopsia

28.3149, 0.3127, 0.3290



Achromatomaly

33.8708, 0.3057, 0.4452

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.2224, 0.2996, 0.5834 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(32, 223, 38)` looks like.

```
.text, #text, p{  
    color:rgb(32, 223, 38)  
}
```

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(32, 223, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(32, 223, 38) }
```

Border

The CSS property to change the border of an element to Yxy 53.2224, 0.2996, 0.5834 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(32, 223, 38) }
```

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

```
.border{ border-color:rgb(32, 223, 38) }
```

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

Here you see how a box with a 4 pixel rgb(32, 223, 38) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(32, 223, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(32, 223, 38);  
box-shadow:4px 4px 4px 4px rgb(32, 223,  
38) }
```


Background

The CSS property to change the background color of an element to Yxy 53.2224, 0.2996, 0.5834 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(32, 223, 38) }
```

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

```
.background{ background-color: rgb(32, 223,  
38) }
```

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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