

Converting Colors

$Y_{xy}(51.7126, 0.2882, 0.5401)$

Have a look what the booklet for
Yxy(51.7126, 0.2882, 0.5401)
contains.

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Color

Yxy(51.6473, 0.2881, 0.5395)

Conversions

Conversions Part 1

Format	Color
Hex	24DB52
RGB	36, 219, 82
RGB Percent	14%, 86%, 32%
CMY	0.8592, 0.1412, 0.6783
CMYK	0.84, 0.00, 0.63, 0.14
HSL	135°, 72%, 50%
HSV	135°, 84%, 86%
XYZ	27.5803, 51.6473, 16.5042
YIQ	148.6650, -65.0910, -81.4030

Conversions

Conversions Part 2

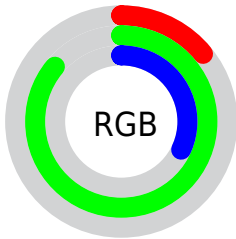
Format	Color
RYB	36, 182, 219
Decimal	2415442
CIELab	77.07, -70.14, 53.83
CIELCh	77, 88.413, 142.496
Yxy	51.6473, 0.2881, 0.5395
Android (android.graphics.Color)	4280605522 (0xFF24DB52)
YUV	148.6650, -32.8658, -98.8072
Hunter-Lab	71.8661, -57.2619, 36.6902

Details

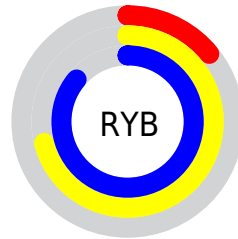
The Yxy color **51.6473, 0.2881, 0.5395** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **19.3288, 0.3816, 0.1974**, and the grayscale version is **30.0576, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.0106, 0.2962, 0.4811**, and **25.9066, 0.2963, 0.5866** is the 20% darker color. If you saturate the color by 10%, you get **51.1491, 0.2904, 0.5608**, and if you desaturate by 10%, it is **52.4497, 0.2872, 0.5143**.

Distribution



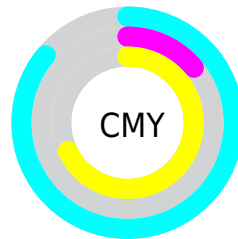
- Red (14%)
- Green (86%)
- Blue (32%)



- Red (14%)
- Yellow (71%)
- Blue (86%)



- Cyan (84%)
- Magenta (0%)
- Yellow (63%)
- Black (14%)



- Cyan (86%)
- Magenta (14%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 51.6473, 0.2881, 0.5395 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 51.6473, 0.2881, 0.5395 by changing the saturation by 10% instead.


 51.6473, 0.2881,
0.5395


 51.6473, 0.2881,
0.5395


393.0735, 0.3072,
0.4273


 36.7240, 0.2810,
0.5685


 92.6109, 0.2968,
0.4977

 24.9939, 0.2704,
0.6057


 119.4200, 0.2995,
0.4822


 16.0725, 0.2540,
0.6542


 150.9598, 0.3016,
0.4693

 9.5755, 0.2279,
0.7192

 187.6147, 0.3032,
0.4583

 5.1184, 0.1863,
0.8137

 229.7691, 0.3045,
0.4489

 2.3169, 0.0349,
0.9651

277.8075, 0.3056,

 0.7826, 0.0000,

0.4407

1.0000

332.1141, 0.3065,
0.4336

■ 0.0000, 0.0000,
0.0000

■ 51.6473, 0.2881,
0.5395

■ 51.6473, 0.2881,
0.5395

■ 51.1491, 0.2904,
0.5608

■ 52.4497, 0.2872,
0.5143

■ 50.9440, 0.2922,
0.5720

■ 53.5921, 0.2878,
0.4867

■ 55.1116, 0.2899,
0.4580

■ 57.0388, 0.2930,
0.4298

■ 59.4012, 0.2969,
0.4029

■ 62.2237, 0.3014,
0.3781

■ 65.5293, 0.3062,
0.3556

■ 69.3396, 0.3110,
0.3356

■ 73.6747, 0.3157,
0.3180

Harmonies

Analogous

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



51.6473, 0.3926, 0.5380



51.6473, 0.2881, 0.5395



51.6473, 0.1952, 0.4303

Triad

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



51.6473, 0.2881, 0.5395



51.6473, 0.1477, 0.1696



51.6473, 0.5191, 0.3132

Complementary

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



51.6473, 0.2881, 0.5395



19.3288, 0.3816, 0.1974

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.



51.6473, 0.4235, 0.2463



51.6473, 0.2881, 0.5395



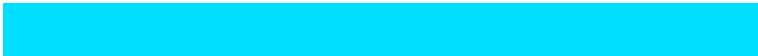
51.6473, 0.2035, 0.1680

Square

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



51.6473, 0.2881, 0.5395



51.6473, 0.1272, 0.2062



51.6473, 0.3002, 0.1948



51.6473, 0.5373, 0.3875

Rectangle

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



51.6473, 0.2881, 0.5395



51.6473, 0.1539, 0.3349



51.6473, 0.3002, 0.1948



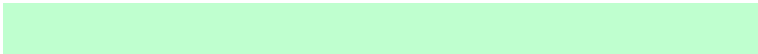
51.6473, 0.4944, 0.2899

Sweetspot

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



51.6494, 0.2881, 0.5395



87.1491, 0.3007, 0.3819



59.7036, 0.3781, 0.5257



18.3432, 0.2991, 0.3906



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.



51.6494, 0.2881, 0.5395



71.8930, 0.2926, 0.5732



54.0657, 0.2472, 0.3975



14.6598, 0.3082, 0.3470



30.2203, 0.2915, 0.5696



1.9717, 0.2826, 0.5375

Inverse Universe

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



19.3288, 0.3816, 0.1974



25.0105, 0.3988, 0.1970



16.9210, 0.5424, 0.2927



13.2159, 0.3176, 0.3117



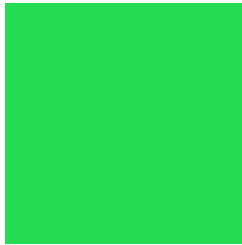
10.5338, 0.3966, 0.1958



0.6960, 0.3816, 0.1876

Previews

White Background



This preview shows how the Yxy color 51.6473, 0.2881, 0.5395 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 51.6473, 0.2881, 0.5395 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 51.6473, 0.2881, 0.5395

Background



This preview shows how black text looks on a background with the Yxy color 51.6473, 0.2881, 0.5395.



This preview shows how white text looks on a background with the Yxy color 51.6473, 0.2881, 0.5395.

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

51.6473, 0.2881, 0.5395

Protanopia

50.5779, 0.4172, 0.4590

Deuteranopia

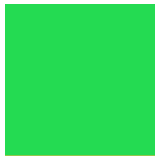
50.2042, 0.4314, 0.4212



Tritanopia

51.2637, 0.2357, 0.3057

Trichromacy



Original Color

51.6473, 0.2881, 0.5395



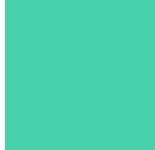
Protanomaly

48.0334, 0.3528, 0.4986



Deuteranomaly

46.8988, 0.3599, 0.4710



Tritanomaly

50.4112, 0.2544, 0.3878

Monochromacy



Original Color

51.6473, 0.2881, 0.5395



Achromatopsia

30.0544, 0.3127, 0.3290



Achromatomaly

34.9409, 0.2951, 0.4121

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.6473, 0.2881, 0.5395 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(36, 219, 82)` looks like.

```
.text, #text, p{  
    color:rgb(36, 219, 82)  
}
```

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(36, 219, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 219, 82) }
```

Border

The CSS property to change the border of an element to Yxy 51.6473, 0.2881, 0.5395 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(36, 219, 82) }
```

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

```
.border{ border-color:rgb(36, 219, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(36, 219, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 219, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 219, 82);  
box-shadow:4px 4px 4px 4px rgb(36, 219,  
82) }
```


Background

The CSS property to change the background color of an element to Yxy 51.6473, 0.2881, 0.5395 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 219, 82) }
```

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

```
.background{ background-color: rgb(36, 219,  
82) }
```

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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