

Converting Colors

Yxy(47.9553, 0.3180, 0.5785)

Have a look what the booklet for
Yxy(47.9553, 0.3180, 0.5785)
contains.

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Color

Yxy(47.7251, 0.3181, 0.5784)

Conversions

Conversions Part 1

Format	Color
Hex	4DD215
RGB	77, 210, 21
RGB Percent	30%, 82%, 8%
CMY	0.6978, 0.1765, 0.9174
CMYK	0.63, 0.00, 0.90, 0.18
HSL	102°, 82%, 45%
HSV	102°, 90%, 82%
XYZ	26.2472, 47.7251, 8.5400
YIQ	148.6870, -18.5990, -86.9750

Conversions

Conversions Part 2

Format	Color
RYB	21, 210, 154
Decimal	5100053
CIELab	74.65, -65.14, 70.68
CIELCh	75, 96.121, 132.662
Yxy	47.7251, 0.3181, 0.5784
Android (android.graphics.Color)	4283290133 (0xFF4DD215)
YUV	148.6870, -62.9497, -62.8695
Hunter-Lab	69.0834, -53.0776, 41.0290

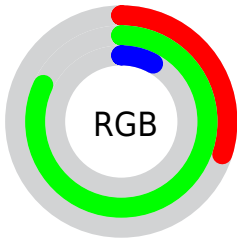
Details

The Yxy color **47.7251, 0.3181, 0.5784** is a dark color, and the websafe version is hex **33CC00**.

The color can be described as dark washed green. A complement of this color would be **12.0598, 0.2541, 0.1215**, and the grayscale version is **30.2035, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.0090, 0.3274, 0.5238**, and **23.1112, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **47.1259, 0.3133, 0.5894**, and if you desaturate by 10%, it is **48.5269, 0.3222, 0.5611**.

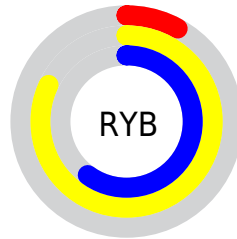
Distribution



Red (30%)

Green (82%)

Blue (8%)



Red (8%)

Yellow (82%)

Blue (60%)

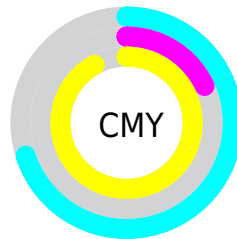


Cyan (63%)

Magenta (0%)

Yellow (90%)

Black (18%)



Cyan (70%)


Magenta (18%)


Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.7251, 0.3181, 0.5784 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 47.7251, 0.3181, 0.5784 by changing the saturation by 10% instead.


 47.7251, 0.3181,
0.5784


 47.7251, 0.3181,
0.5784


377.7015, 0.3273,
0.4476

 33.6092, 0.3111,
0.6100


 86.7950, 0.3248,
0.5310


 22.5936, 0.2994,
0.6484


 112.5178, 0.3263,
0.5129


 14.2937, 0.2807,
0.6978


 142.8783, 0.3272,
0.4977

 8.3252, 0.2472,
0.7528

 178.2610, 0.3276,
0.4847

 4.3037, 0.1907,
0.8093

 219.0503, 0.3277,
0.4735

 1.8449, 0.0000,
1.0000

 265.6306, 0.3277,

 0.5149, 0.0000,

0.4637

1.0000

318.3861, 0.3275,
0.4551

■ 0.0000, 0.0000,
0.0000

■ 47.7251, 0.3181,
0.5784

■ 47.7251, 0.3181,
0.5784

■ 47.1259, 0.3133,
0.5894

■ 48.5269, 0.3222,
0.5611

■ 47.1245, 0.3133,
0.5894

■ 49.5538, 0.3249,
0.5374

■ 50.8264, 0.3262,
0.5087

■ 52.3614, 0.3260,
0.4771

■ 54.1735, 0.3247,
0.4445

■ 56.2766, 0.3224,
0.4125

■ 58.6834, 0.3195,
0.3822

■ 61.4058, 0.3162,
0.3542

■ 64.4551, 0.3127,
0.3289

Harmonies

Analogous

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



47.7251, 0.4294, 0.5335



47.7251, 0.3181, 0.5784



47.7251, 0.2109, 0.4953

Triad

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



47.7251, 0.3181, 0.5784



47.7251, 0.1238, 0.1637



47.7251, 0.5152, 0.2843

Complementary

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



47.7251, 0.3181, 0.5784



12.0598, 0.2541, 0.1215

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.



47.7251, 0.3896, 0.2177



47.7251, 0.3181, 0.5784



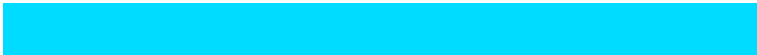
47.7251, 0.1693, 0.1521

Square

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



47.7251, 0.3181, 0.5784



47.7251, 0.1131, 0.2165



47.7251, 0.2583, 0.1711



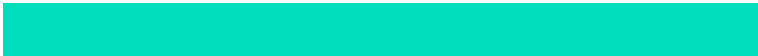
47.7251, 0.5628, 0.3596

Rectangle

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



47.7251, 0.3181, 0.5784



47.7251, 0.1573, 0.3857



47.7251, 0.2583, 0.1711



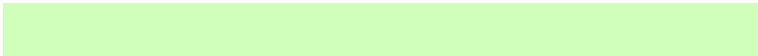
47.7251, 0.4790, 0.2607

Sweetspot

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



47.7271, 0.3181, 0.5784



88.2739, 0.3217, 0.4042



36.6415, 0.4736, 0.4548



18.6326, 0.3226, 0.4149



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.



47.7271, 0.3181, 0.5784



73.0401, 0.3127, 0.5900



46.5662, 0.2925, 0.5642



13.3737, 0.3160, 0.3527



28.7916, 0.3142, 0.5887



1.6509, 0.3284, 0.5774

Inverse Universe

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



12.0598, 0.2541, 0.1215



16.8515, 0.2457, 0.1127



17.2263, 0.3722, 0.1869



11.8258, 0.3091, 0.3058



6.7183, 0.2476, 0.1138



0.4156, 0.2615, 0.1214

Previews

White Background



This preview shows how the Yxy color 47.7251, 0.3181, 0.5784 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 47.7251, 0.3181, 0.5784 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

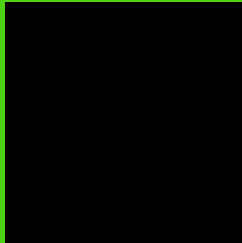
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.7251, 0.3181, 0.5784

Background



This preview shows how black text looks on a background with the Yxy color 47.7251, 0.3181, 0.5784.



This preview shows how white text looks on a background with the Yxy color 47.7251, 0.3181, 0.5784.

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

47.7251, 0.3181, 0.5784

Protanopia

47.0019, 0.4399, 0.4874

Deuteranopia

46.7586, 0.4602, 0.4502



Tritanopia

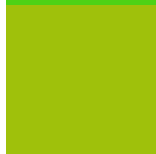
47.2441, 0.2472, 0.3066

Trichromacy



Original Color

47.7251, 0.3181, 0.5784



Protanomaly

45.5350, 0.3873, 0.5276



Deuteranomaly

44.2564, 0.4013, 0.5022



Tritanomaly

45.9709, 0.2809, 0.4194

Monochromacy



Original Color

47.7251, 0.3181, 0.5784



Achromatopsia

30.0544, 0.3127, 0.3290



Achromatomaly

34.2961, 0.3251, 0.4437

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.7251, 0.3181, 0.5784 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, 210, 21)` looks like.

```
.text, #text, p{  
    color:rgb(77, 210, 21)  
}
```

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, 210, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 210, 21) }
```

Border

The CSS property to change the border of an element to Yxy 47.7251, 0.3181, 0.5784 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, 210, 21) }
```

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

```
.border{ border-color:rgb(77, 210, 21) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 210, 21)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 210, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 210, 21);  
box-shadow:4px 4px 4px 4px rgb(77, 210,  
21) }
```


Background

The CSS property to change the background color of an element to Yxy 47.7251, 0.3181, 0.5784 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 210, 21) }
```

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

```
.background{ background-color: rgb(77, 210,  
21) }
```

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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