

Converting Colors

$Y_{xy}(49.2793, 0.3020, 0.5984)$

Have a look what the booklet for
Yxy(49.2793, 0.3020, 0.5984)
contains.

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Color

Yxy(49.2712, 0.3020, 0.5984)

Conversions

Conversions Part 1

Format	Color
Hex	15D800
RGB	21, 216, 0
RGB Percent	8%, 85%, 0%
CMY	0.9174, 0.1529, 0.9997
CMYK	0.90, 0.00, 1.00, 0.15
HSL	114°, 100%, 42%
HSV	114°, 100%, 85%
XYZ	24.8661, 49.2712, 8.2009
YIQ	133.0710, -46.8840, -108.5160

Conversions

Conversions Part 2

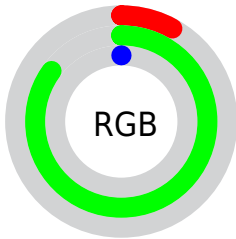
Format	Color
RYB	0, 216, 195
Decimal	1431552
CIELab	75.62, -75.13, 73.50
CIELCh	76, 105.103, 135.626
Yxy	49.2712, 0.3020, 0.5984
Android (android.graphics.Color)	4279621632 (0xFF15D800)
YUV	133.0710, -65.6040, -98.2863
Hunter-Lab	70.1934, -59.6046, 42.2084

Details

The Yxy color **49.2712, 0.3020, 0.5984** 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 **16.5640, 0.2963, 0.1406**, and the grayscale version is **23.7489, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.6708, 0.3144, 0.5386**, and **24.7963, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **49.2724, 0.3020, 0.5984**, and if you desaturate by 10%, it is **49.6320, 0.3040, 0.5895**.

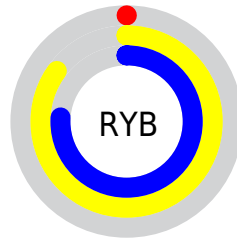
Distribution



Red (8%)

Green (85%)

Blue (0%)



Red (0%)

Yellow (85%)

Blue (76%)

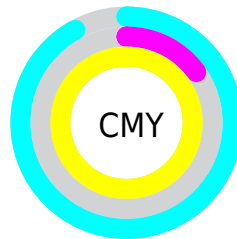


Cyan (90%)

Magenta (0%)

Yellow (100%)

Black (15%)



Cyan (92%)


Magenta (15%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.2712, 0.3020, 0.5984 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 49.2712, 0.3020, 0.5984 by changing the saturation by 10% instead.


 49.2712, 0.3020,
0.5984

 49.2712, 0.3020,
0.5984


383.8090, 0.3206,
0.4566

 34.8347, 0.2924,
0.6325


 89.0941, 0.3124,
0.5470


 23.5355, 0.2775,
0.6739


 115.2493, 0.3152,
0.5275


 14.9894, 0.2550,
0.7275


 146.0794, 0.3171,
0.5109

 8.8120, 0.2164,
0.7836

 181.9690, 0.3184,
0.4968

 4.6187, 0.1573,
0.8427

 223.3023, 0.3193,
0.4847

 2.0254, 0.0000,
1.0000

 270.4638, 0.3200,


 0.6221, 0.0000,


0.4741


1.0000


323.8379, 0.3204,
0.4648


 0.0000, 0.0000,
0.0000


 49.2712, 0.3020,
0.5984


 49.2712, 0.3020,
0.5984


 49.2724, 0.3020,
0.5984

 49.6320, 0.3040,
0.5895

 50.2519, 0.3063,
0.5729

 51.1794, 0.3084,
0.5485

 52.4484, 0.3103,
0.5181

 54.0880, 0.3116,
0.4842

■ 56.1243, 0.3125,
0.4492

■ 58.5808, 0.3130,
0.4151

■ 61.4795, 0.3132,
0.3833

■ 64.8407, 0.3130,
0.3545

Harmonies

Analogous

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



49.2712, 0.4199, 0.5522



49.2712, 0.3020, 0.5984



49.2712, 0.1922, 0.4945

Triad

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



49.2712, 0.3020, 0.5984



49.2712, 0.1170, 0.1511



49.2712, 0.5405, 0.2868

Complementary

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



49.2712, 0.3020, 0.5984



16.5640, 0.2963, 0.1406

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.



49.2712, 0.4099, 0.2167



49.2712, 0.3020, 0.5984



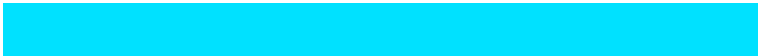
49.2712, 0.1676, 0.1433

Square

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



49.2712, 0.3020, 0.5984



49.2712, 0.1023, 0.1996



49.2712, 0.2659, 0.1659



49.2712, 0.5782, 0.3645

Rectangle

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



49.2712, 0.3020, 0.5984



49.2712, 0.1402, 0.3712



49.2712, 0.2659, 0.1659



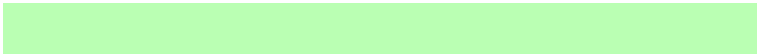
49.2712, 0.5045, 0.2623

Sweetspot

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



49.2732, 0.3020, 0.5984



85.1853, 0.3130, 0.4161



53.3655, 0.4382, 0.4902



17.8927, 0.3129, 0.4304



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.



49.2732, 0.3020, 0.5984



71.7239, 0.3018, 0.5986



49.7926, 0.2818, 0.5344



13.9531, 0.3130, 0.3530



29.1847, 0.3024, 0.5981



1.7805, 0.3093, 0.5926

Inverse Universe

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



16.5640, 0.2963, 0.1406



24.0793, 0.2961, 0.1405



16.2026, 0.4557, 0.2284



12.5685, 0.3122, 0.3059



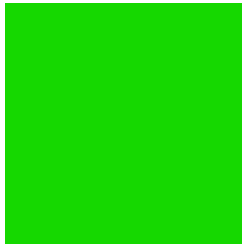
9.8288, 0.2967, 0.1408



0.6110, 0.3012, 0.1433

Previews

White Background



This preview shows how the Yxy color 49.2712, 0.3020, 0.5984 looks on a white background.

Color Contrast Check

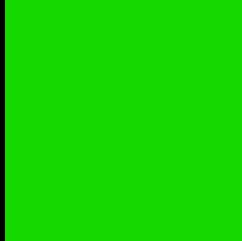
Large Text (above 18pt) WCAG AA × Fail

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 49.2712, 0.3020, 0.5984 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

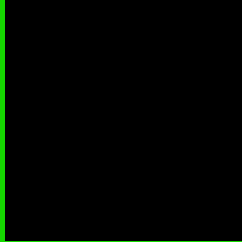
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.2712, 0.3020, 0.5984

Background



This preview shows how black text looks on a background with the Yxy color 49.2712, 0.3020, 0.5984.



This preview shows how white text looks on a background with the Yxy color 49.2712, 0.3020, 0.5984.

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

49.2712, 0.3020, 0.5984

Protanopia

48.1078, 0.4404, 0.4886

Deuteranopia

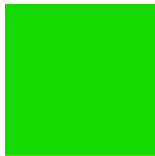
48.0210, 0.4612, 0.4509



Tritanopia

49.0584, 0.2364, 0.3066

Trichromacy



Original Color

49.2712, 0.3020, 0.5984



Protanomaly

45.0553, 0.3695, 0.5448



Deuteranomaly

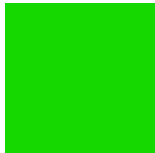
43.8892, 0.3827, 0.5221



Tritanomaly

47.1358, 0.2685, 0.4378

Monochromacy



Original Color

49.2712, 0.3020, 0.5984



Achromatopsia

23.4551, 0.3127, 0.3290



Achromatomaly

29.1256, 0.3115, 0.4737

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.2712, 0.3020, 0.5984 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(21, 216, 0)` looks like.

```
.text, #text, p{  
    color:rgb(21, 216, 0)  
}
```

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(21, 216, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(21, 216, 0) }
```

Border

The CSS property to change the border of an element to Yxy 49.2712, 0.3020, 0.5984 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(21, 216, 0) }
```

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

```
.border{ border-color:rgb(21, 216, 0) }
```

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

Here you see how a box with a 4 pixel rgb(21, 216, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(21, 216, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(21, 216, 0);  
box-shadow:4px 4px 4px 4px rgb(21, 216, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 49.2712, 0.3020, 0.5984 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(21, 216, 0) }
```

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

```
.background{ background-color: rgb(21, 216,  
0) }
```

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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