

Converting Colors

$Y_{xy}(73.9915, 0.2979, 0.5375)$

Have a look what the booklet for
Yxy(73.9915, 0.2979, 0.5375)
contains.

Yxy(73.9904, 0.2978, 0.5373)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(73.9904, 0.2978, 0.5373)

Conversions

Conversions Part 1

Format	Color
Hex	4FFF5E
RGB	79, 255, 94
RGB Percent	31%, 100%, 37%
CMY	0.6899, 0.0000, 0.6314
CMYK	0.69, 0.00, 0.63, 0.00
HSL	125°, 100%, 66%
HSV	125°, 69%, 100%
XYZ	41.0094, 73.9904, 22.7080
YIQ	184.0220, -53.2150, -87.3830

Conversions

Conversions Part 2

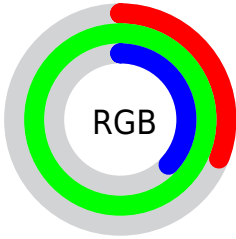
Format	Color
RYB	79, 241, 255
Decimal	5242718
CIELab	88.92, -74.41, 62.29
CIELCh	89, 97.041, 140.069
Yxy	73.9904, 0.2978, 0.5373
Android (android.graphics.Color)	4283432798 (0xFF4FFF5E)
YUV	184.0220, -44.3808, -92.1043
Hunter-Lab	86.0177, -65.4301, 44.5603

Details

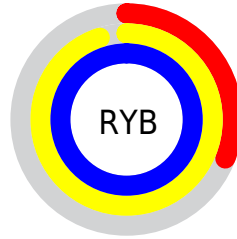
The Yxy color **73.9904, 0.2978, 0.5373** is a dark color, and the websafe version is hex **33FF66**. The color can be described as middle washed green. A complement of this color would be **33.1594, 0.3346, 0.1856**, and the grayscale version is **48.2307, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.1116, 0.3062, 0.4571**, and **40.0480, 0.2958, 0.5848** is the 20% darker color. If you saturate the color by 10%, you get **72.7430, 0.2974, 0.5637**, and if you desaturate by 10%, it is **75.7898, 0.2989, 0.5061**.

Distribution



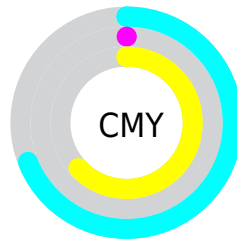
- Red (31%)
- Green (100%)
- Blue (37%)



- Red (31%)
- Yellow (95%)
- Blue (100%)



- Cyan (69%)
- Magenta (0%)
- Yellow (63%)
- Black (0%)




- Cyan (69%)
- Magenta (0%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 73.9904, 0.2978, 0.5373 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 73.9904, 0.2978, 0.5373 by changing the saturation by 10% instead.

 73.9904, 0.2978,
0.5373

 73.9904, 0.2978,
0.5373


474.4402, 0.3118,
0.4332


 54.7862, 0.2925,
0.5621


 124.8822, 0.3043,
0.5002


 39.2306, 0.2849,
0.5927


 157.3386, 0.3063,
0.4860

 26.9391, 0.2734,
0.6312


 194.9811, 0.3078,
0.4739

 17.5275, 0.2556,
0.6798

 238.1942, 0.3090,
0.4635

 10.6113, 0.2290,
0.7473

287.3623, 0.3100,
0.4544

 5.8061, 0.1815,
0.8185


342.8697, 0.3107,

 2.7275, 0.0600,

0.4465

0.9400

405.1009, 0.3113,
0.4395


 0.9912, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 73.9904, 0.2978,
0.5373


 73.9904, 0.2978,
0.5373


 72.7430, 0.2974,
0.5637


 75.7898, 0.2989,
0.5061

 71.9755, 0.2979,
0.5832


 78.1851, 0.3007,
0.4725


 71.6022, 0.2988,
0.5950

 81.2264, 0.3029,
0.4387

 71.5762, 0.2988,
0.5958

 84.9558, 0.3054,
0.4064

 89.4119, 0.3080,
0.3767

 94.6305, 0.3105,
0.3502

99.9997, 0.3127,
0.3290

Harmonies

Analogous

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



73.9904, 0.4001, 0.5295



73.9904, 0.2978, 0.5373



73.9904, 0.2045, 0.4386

Triad

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



73.9904, 0.2978, 0.5373



73.9904, 0.1480, 0.1743



73.9904, 0.5089, 0.3086

Complementary

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



73.9904, 0.2978, 0.5373



33.1594, 0.3346, 0.1856

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.



73.9904, 0.4111, 0.2433



73.9904, 0.2978, 0.5373



73.9904, 0.2001, 0.1701

Square

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



73.9904, 0.2978, 0.5373



73.9904, 0.1305, 0.2141



73.9904, 0.2917, 0.1943



73.9904, 0.5339, 0.3814

Rectangle

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



73.9904, 0.2978, 0.5373



73.9904, 0.1613, 0.3459



73.9904, 0.2917, 0.1943



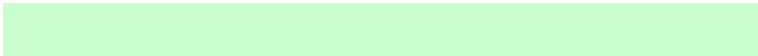
73.9904, 0.4827, 0.2858

Sweetspot

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



73.9935, 0.2978, 0.5373



88.4558, 0.3075, 0.3825



90.6701, 0.3959, 0.4902



18.6628, 0.3067, 0.3905



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.



73.9935, 0.2978, 0.5373



72.3813, 0.2975, 0.5724



76.5504, 0.2629, 0.4245



20.1932, 0.3104, 0.3515



37.4088, 0.2985, 0.5946



3.6505, 0.2953, 0.5830

Inverse Universe

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



33.1594, 0.3346, 0.1856



29.1308, 0.3391, 0.1721



29.1428, 0.4451, 0.2608



18.2722, 0.3151, 0.3075



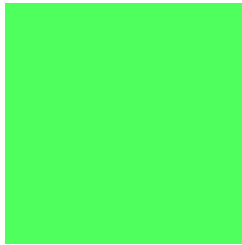
14.2052, 0.3435, 0.1666



1.3906, 0.3406, 0.1650

Previews

White Background



This preview shows how the Yxy color 73.9904, 0.2978, 0.5373 looks on a white background.

Color Contrast Check

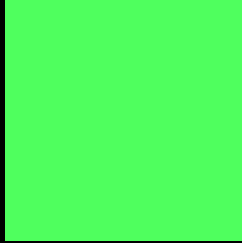
Large Text (above 18pt) WCAG AA × Fail

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 73.9904, 0.2978, 0.5373 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

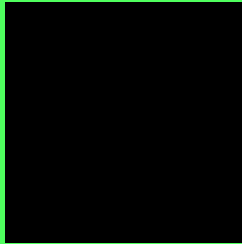
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 73.9904, 0.2978, 0.5373

Background



This preview shows how black text looks on a background with the Yxy color 73.9904, 0.2978, 0.5373.

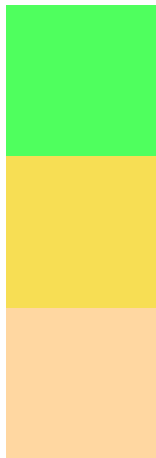


This preview shows how white text looks on a background with the Yxy color 73.9904, 0.2978, 0.5373.

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

73.9904, 0.2978, 0.5373

Protanopia

72.6568, 0.4191, 0.4608

Deuteranopia

72.4341, 0.3822, 0.3846



Tritanopia

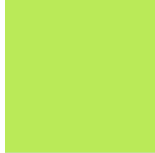
73.1916, 0.2475, 0.3080

Trichromacy



Original Color

73.9904, 0.2978, 0.5373



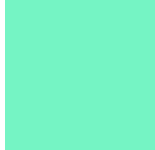
Protanomaly

69.9893, 0.3636, 0.4948



Deuteranomaly

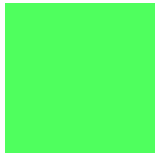
69.4761, 0.3437, 0.4398



Tritanomaly

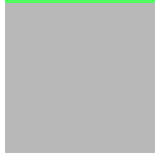
72.4688, 0.2673, 0.3902

Monochromacy



Original Color

73.9904, 0.2978, 0.5373



Achromatopsia

47.9320, 0.3127, 0.3290



Achromatomaly

54.4385, 0.3054, 0.4106

CSS Examples

Text

The CSS property to change the color of the text to Yxy 73.9904, 0.2978, 0.5373 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(79, 255, 94)` looks like.

```
.text, #text, p{  
    color:rgb(79, 255, 94)  
}
```

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(79, 255, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 255, 94) }
```

Border

The CSS property to change the border of an element to Yxy 73.9904, 0.2978, 0.5373 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(79, 255, 94) }
```

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

```
.border{ border-color:rgb(79, 255, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 255, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 255, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 255, 94);  
box-shadow:4px 4px 4px 4px rgb(79, 255,  
94) }
```


Background

The CSS property to change the background color of an element to Yxy 73.9904, 0.2978, 0.5373 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 255, 94) }
```

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

```
.background{ background-color: rgb(79, 255,  
94) }
```

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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