

Converting Colors

$Yxy(71.6044, 0.3078, 0.4530)$

Have a look what the booklet for
Yxy(71.6044, 0.3078, 0.4530)
contains.

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Color

Yxy(71.6289, 0.3080, 0.4536)

Conversions

Conversions Part 1

Format	Color
Hex	92F290
RGB	146, 242, 144
RGB Percent	57%, 95%, 56%
CMY	0.4275, 0.0509, 0.4353
CMYK	0.40, 0.00, 0.40, 0.05
HSL	119°, 79%, 76%
HSV	119°, 40%, 95%
XYZ	48.6369, 71.6289, 37.6462
YIQ	202.1240, -25.7580, -50.8300

Conversions

Conversions Part 2

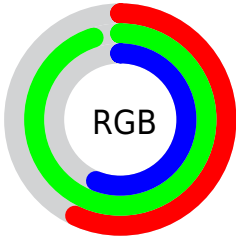
Format	Color
RYB	144, 242, 240
Decimal	9630352
CIELab	87.79, -47.44, 38.57
CIElCh	88, 61.147, 140.887
Yxy	71.6289, 0.3080, 0.4536
Android (android.graphics.Color)	4287820432 (0xFF92F290)
YUV	202.1240, -28.6551, -49.2207
Hunter-Lab	84.6339, -45.5299, 32.8707

Details

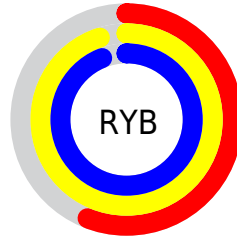
The Yxy color **71.6289, 0.3080, 0.4536** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **44.8879, 0.3157, 0.2287**, and the grayscale version is **59.3367, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.3400, 0.3123, 0.3902**, and **37.5945, 0.3033, 0.4873** is the 20% darker color. If you saturate the color by 10%, you get **69.0175, 0.3064, 0.4896**, and if you desaturate by 10%, it is **74.8555, 0.3094, 0.4185**.

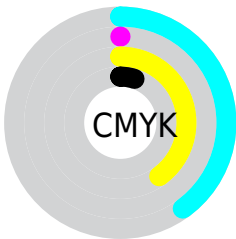
Distribution



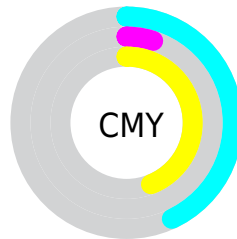
- Red (57%)
- Green (95%)
- Blue (56%)



- Red (56%)
- Yellow (95%)
- Blue (94%)



- Cyan (40%)
- Magenta (0%)
- Yellow (40%)
- Black (5%)





- Cyan (43%)
- Magenta (5%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 71.6289, 0.3080, 0.4536 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 71.6289, 0.3080, 0.4536 by changing the saturation by 10% instead.

 71.6289, 0.3080,
0.4536

 71.6289, 0.3080,
0.4536

466.2489, 0.3126,
0.3920

 52.8556, 0.3062,
0.4685


 121.5288, 0.3102,
0.4315

 37.6875, 0.3036,
0.4874


 153.4241, 0.3108,
0.4231

 25.7402, 0.2996,
0.5118


190.4623, 0.3113,
0.4160

 16.6294, 0.2932,
0.5445


233.0276, 0.3117,
0.4098

 9.9706, 0.2821,
0.5899

281.5046, 0.3120,
0.4045

 5.3795, 0.2623,
0.6578


336.2775, 0.3123,

 2.4716, 0.2241,


0.3998


0.7759


397.7308, 0.3125,
0.3957


 0.8624, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 71.6289, 0.3080,
0.4536


 71.6289, 0.3080,
0.4536


 69.0175, 0.3064,
0.4896


 74.8555, 0.3094,
0.4185


 66.9741, 0.3048,
0.5242

 78.7233, 0.3107,
0.3857

 65.4589, 0.3033,
0.5546

 83.2677, 0.3118,
0.3562

 64.4234, 0.3019,
0.5781

 88.5187, 0.3127,
0.3302

■ 63.8100, 0.3009,
0.5930

■ 91.9894, 0.3133,
0.3166

■ 63.5409, 0.3003,
0.5998

Harmonies

Analogous

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



71.6289, 0.3785, 0.4626



71.6289, 0.3080, 0.4536



71.6289, 0.2425, 0.3942

Triad

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



71.6289, 0.3080, 0.4536



71.6289, 0.1980, 0.2225



71.6289, 0.4396, 0.3225

Complementary

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



71.6289, 0.3080, 0.4536



44.8879, 0.3157, 0.2287

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.



71.6289, 0.3792, 0.2729



71.6289, 0.3080, 0.4536



71.6289, 0.2385, 0.2176

Square

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



71.6289, 0.3080, 0.4536



71.6289, 0.1845, 0.2545



71.6289, 0.3032, 0.2358



71.6289, 0.4596, 0.3773

Rectangle

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



71.6289, 0.3080, 0.4536



71.6289, 0.2105, 0.3413



71.6289, 0.3032, 0.2358



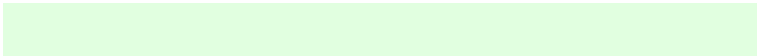
71.6289, 0.4231, 0.3050

Sweetspot

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



71.6319, 0.3080, 0.4536



92.9340, 0.3116, 0.3605



82.4742, 0.3746, 0.4264



19.7421, 0.3115, 0.3643



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.



71.6319, 0.3080, 0.4536



78.0849, 0.3067, 0.4847



73.1448, 0.2830, 0.3941



17.6716, 0.3119, 0.3534



34.1389, 0.3004, 0.5997



2.8454, 0.3016, 0.5987

Inverse Universe

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



44.8879, 0.3157, 0.2287



43.9832, 0.3161, 0.2095



42.8227, 0.3603, 0.2726



16.0142, 0.3135, 0.3057



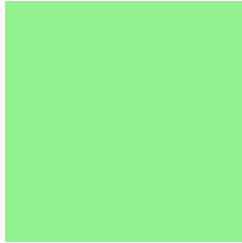
13.1344, 0.3159, 0.1514



1.0978, 0.3166, 0.1518

Previews

White Background



This preview shows how the Yxy color 71.6289, 0.3080, 0.4536 looks on a white background.

Color Contrast Check

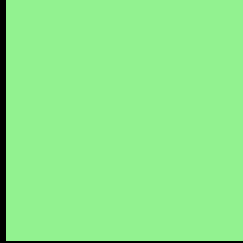
Large Text (above 18pt) WCAG AA × Fail

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 71.6289, 0.3080, 0.4536 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

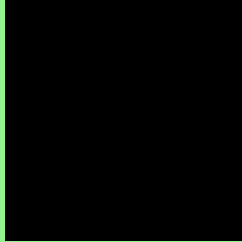
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 71.6289, 0.3080, 0.4536

Background



This preview shows how black text looks on a background with the Yxy color 71.6289, 0.3080, 0.4536.



This preview shows how white text looks on a background with the Yxy color 71.6289, 0.3080, 0.4536.

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

71.6289, 0.3080, 0.4536

Protanopia

70.7630, 0.3859, 0.4182

Deuteranopia

70.5651, 0.3807, 0.3766



Tritanopia

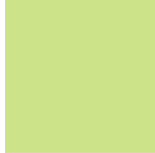
71.4779, 0.2630, 0.3083

Trichromacy



Original Color

71.6289, 0.3080, 0.4536



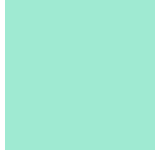
Protanomaly

69.7523, 0.3544, 0.4320



Deuteranomaly

69.1239, 0.3514, 0.4032



Tritanomaly

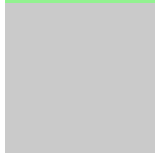
70.8697, 0.2796, 0.3580

Monochromacy



Original Color

71.6289, 0.3080, 0.4536



Achromatopsia

59.0619, 0.3127, 0.3290



Achromatomaly

62.9070, 0.3113, 0.3735

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.6289, 0.3080, 0.4536 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(146, 242, 144)` looks like.

```
.text, #text, p{  
    color:rgb(146, 242, 144)  
}
```

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(146, 242, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 242, 144) }
```

Border

The CSS property to change the border of an element to Yxy 71.6289, 0.3080, 0.4536 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(146, 242, 144) }
```

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

```
.border{ border-color:rgb(146, 242, 144) }
```

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

Here you see how a box with a 4 pixel rgb(146, 242, 144) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 242, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 242, 144);  
box-shadow:4px 4px 4px 4px rgb(146, 242,  
144) }
```


Background

The CSS property to change the background color of an element to Yxy 71.6289, 0.3080, 0.4536 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 242, 144) }
```

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

```
.background{ background-color: rgb(146,  
242, 144) }
```

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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