

Converting Colors

$Yxy(68.7809, 0.3393, 0.5277)$

Have a look what the booklet for
Yxy(68.7809, 0.3393, 0.5277)
contains.

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Color

Yxy(68.9256, 0.3388, 0.5277)

Conversions

Conversions Part 1

Format	Color
Hex	92F04A
RGB	146, 240, 74
RGB Percent	57%, 94%, 29%
CMY	0.4273, 0.0588, 0.7101
CMYK	0.39, 0.00, 0.69, 0.06
HSL	94°, 85%, 62%
HSV	94°, 69%, 94%
XYZ	44.2524, 68.9256, 17.4371
YIQ	192.9700, -2.7380, -71.5540

Conversions

Conversions Part 2

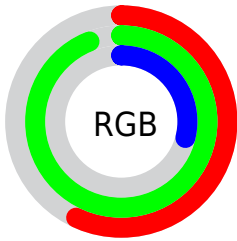
Format	Color
RYB	74, 240, 168
Decimal	9629770
CIELab	86.47, -54.14, 68.06
CIELCh	86, 86.966, 128.503
Yxy	68.9256, 0.3388, 0.5277
Android (android.graphics.Color)	4287819850 (0xFF92F04A)
YUV	192.9700, -58.6522, -41.1927
Hunter-Lab	83.0214, -50.1428, 45.6622

Details

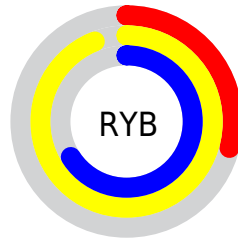
The Yxy color **68.9256, 0.3388, 0.5277** is a light color, and the websafe version is hex **99FF66**. The color can be described as light washed chartreuse. A complement of this color would be **19.4939, 0.2482, 0.1411**, and the grayscale version is **53.6640, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.1378, 0.3499, 0.4635**, and **35.8454, 0.3327, 0.5741** is the 20% darker color. If you saturate the color by 10%, you get **67.4929, 0.3368, 0.5502**, and if you desaturate by 10%, it is **70.6354, 0.3387, 0.5007**.

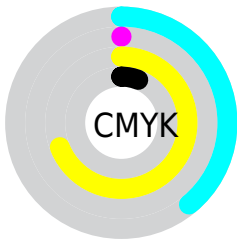
Distribution



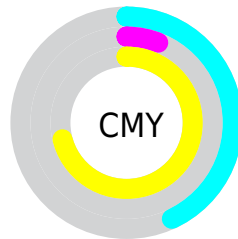
- Red (57%)
- Green (94%)
- Blue (29%)



- Red (29%)
- Yellow (94%)
- Blue (66%)



- Cyan (39%)
- Magenta (0%)
- Yellow (69%)
- Black (6%)





- Cyan (43%)
- Magenta (6%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.9256, 0.3388, 0.5277 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 68.9256, 0.3388, 0.5277 by changing the saturation by 10% instead.


 68.9256, 0.3388,
0.5277


 68.9256, 0.3388,
0.5277


456.7685, 0.3341,
0.4304

 50.6511, 0.3373,
0.5500


 117.6753, 0.3391,
0.4936


 35.9310, 0.3340,
0.5770


 148.9193, 0.3386,
0.4804


 24.3809, 0.3275,
0.6099


 185.2553, 0.3380,
0.4691

 15.6164, 0.3150,
0.6499

 227.0676, 0.3372,
0.4592

 9.2531, 0.2949,
0.7051

 274.7407, 0.3365,
0.4506

 4.9067, 0.2492,
0.7508

328.6590, 0.3357,

 2.1926, 0.1579,

0.4431

0.8421

389.2068, 0.3349,
0.4364

0.7160, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

68.9256, 0.3388,
0.5277

68.9256, 0.3388,
0.5277

67.4929, 0.3368,
0.5502

70.6354, 0.3387,
0.5007

66.3083, 0.3329,
0.5669


72.6308, 0.3368,
0.4709

65.3463, 0.3274,
0.5778


74.9306, 0.3333,
0.4399


65.2761, 0.3270,
0.5786

77.5490, 0.3288,
0.4091

 80.4994, 0.3236,
0.3797

 83.7942, 0.3180,
0.3522

 87.4454, 0.3123,
0.3271

 90.7396, 0.3132,
0.3146

 90.8012, 0.3134,
0.3146

Harmonies

Analogous

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



68.9256, 0.4313, 0.4958



68.9256, 0.3388, 0.5277



68.9256, 0.2446, 0.4723

Triad

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



68.9256, 0.3388, 0.5277



68.9256, 0.1479, 0.1948



68.9256, 0.4646, 0.2866

Complementary

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



68.9256, 0.3388, 0.5277



19.4939, 0.2482, 0.1411

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.



68.9256, 0.3607, 0.2291



68.9256, 0.3388, 0.5277



68.9256, 0.1845, 0.1781

Square

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



68.9256, 0.3388, 0.5277



68.9256, 0.1437, 0.2498



68.9256, 0.2567, 0.1909



68.9256, 0.5173, 0.3541

Rectangle

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



68.9256, 0.3388, 0.5277



68.9256, 0.1939, 0.3937



68.9256, 0.2567, 0.1909



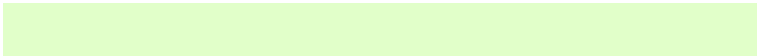
68.9256, 0.4333, 0.2659

Sweetspot

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



68.9286, 0.3388, 0.5277



91.7175, 0.3246, 0.3851



46.0269, 0.4633, 0.4208



19.4266, 0.3261, 0.3931



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.



68.9286, 0.3388, 0.5277



76.8677, 0.3355, 0.5577



64.3871, 0.2997, 0.5434



17.9920, 0.3181, 0.3529



35.8079, 0.3281, 0.5777



3.0366, 0.3384, 0.5695

Inverse Universe

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



19.4939, 0.2482, 0.1411



16.7716, 0.2319, 0.1142



29.2231, 0.3284, 0.1814



15.6700, 0.3068, 0.3052



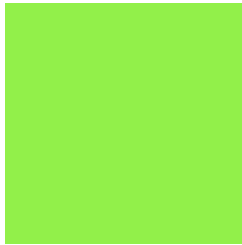
6.3804, 0.2158, 0.0962



0.5895, 0.2291, 0.1036

Previews

White Background



This preview shows how the Yxy color 68.9256, 0.3388, 0.5277 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 68.9256, 0.3388, 0.5277 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 68.9256, 0.3388, 0.5277

Background



This preview shows how black text looks on a background with the Yxy color 68.9256, 0.3388, 0.5277.

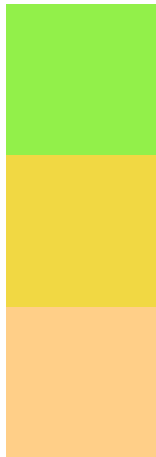


This preview shows how white text looks on a background with the Yxy color 68.9256, 0.3388, 0.5277.

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

68.9256, 0.3388, 0.5277

Protanopia

68.2178, 0.4257, 0.4696

Deuteranopia

67.6632, 0.4037, 0.4017



Tritanopia

68.3800, 0.2680, 0.3081

Trichromacy



Original Color

68.9256, 0.3388, 0.5277



Protanomaly

67.4144, 0.3907, 0.4925



Deuteranomaly

66.3024, 0.3804, 0.4477



Tritanomaly

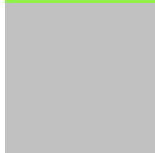
67.6112, 0.2976, 0.3904

Monochromacy



Original Color

68.9256, 0.3388, 0.5277



Achromatopsia

53.3276, 0.3127, 0.3290



Achromatomaly

57.5253, 0.3283, 0.4066

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.9256, 0.3388, 0.5277 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, 240, 74)` looks like.

```
.text, #text, p{  
    color:rgb(146, 240, 74)  
}
```

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, 240, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 240, 74) }
```

Border

The CSS property to change the border of an element to Yxy 68.9256, 0.3388, 0.5277 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, 240, 74) }
```

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

```
.border{ border-color:rgb(146, 240, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 240, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 240, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 240, 74);  
box-shadow:4px 4px 4px 4px rgb(146, 240,  
74) }
```


Background

The CSS property to change the background color of an element to Yxy 68.9256, 0.3388, 0.5277 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 240, 74) }
```

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

```
.background{ background-color: rgb(146,  
240, 74) }
```

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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