

Converting Colors

$Yxy(77.3962, 0.3414, 0.5597)$

Have a look what the booklet for
Yxy(77.3962, 0.3414, 0.5597)
contains.

Yxy(77.3645, 0.3412, 0.5598)	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(77.3645, 0.3412, 0.5598)

Conversions

Conversions Part 1

Format	Color
Hex	8EFF1E
RGB	142, 255, 30
RGB Percent	56%, 100%, 12%
CMY	0.4430, 0.0000, 0.8819
CMYK	0.44, 0.00, 0.88, 0.00
HSL	90°, 100%, 56%
HSV	90°, 88%, 100%
XYZ	47.1539, 77.3645, 13.6818
YIQ	195.5630, 4.8770, -93.9310

Conversions

Conversions Part 2

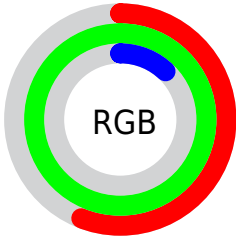
Format	Color
R_{YB}	30, 255, 143
Decimal	9371422
CIE _{Lab}	90.49, -63.19, 83.43
CIE _{LCh}	90, 104.655, 127.139
Yxy	77.3645, 0.3412, 0.5598
Android (android.graphics.Color)	4287561502 (0xFF8EFF1E)
YUV	195.5630, -81.6226, -46.9748
Hunter-Lab	87.9571, -58.2308, 52.3473

Details

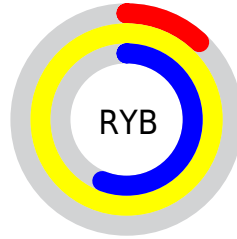
The Yxy color **77.3645, 0.3412, 0.5598** is a dark color, and the websafe version is hex **99FF00**. The color can be described as middle washed chartreuse. A complement of this color would be **14.0007, 0.2139, 0.1003**, and the grayscale version is **55.4344, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.3167, 0.3622, 0.4901**, and **41.5103, 0.3228, 0.5819** is the 20% darker color. If you saturate the color by 10%, you get **76.2142, 0.3360, 0.5706**, and if you desaturate by 10%, it is **78.7540, 0.3446, 0.5433**.

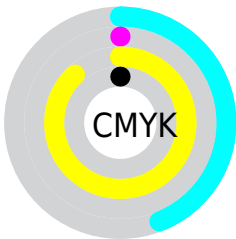
Distribution



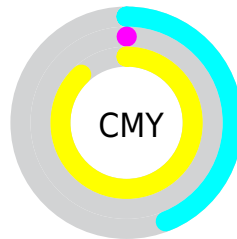
- Red (56%)
- Green (100%)
- Blue (12%)



- Red (12%)
- Yellow (100%)
- Blue (56%)



- Cyan (44%)
- Magenta (0%)
- Yellow (88%)
- Black (0%)




- Cyan (44%)
- Magenta (0%)
- Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.3645, 0.3412, 0.5598 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 77.3645, 0.3412, 0.5598 by changing the saturation by 10% instead.


 77.3645, 0.3412,
0.5598


 77.3645, 0.3412,
0.5598


486.0059, 0.3394,
0.4506

 57.5521, 0.3381,
0.5832


 129.6539, 0.3433,
0.5227


 41.4487, 0.3325,
0.6107


 162.8996, 0.3433,
0.5079


 28.6698, 0.3226,
0.6427


 201.3920, 0.3430,
0.4951

 18.8312, 0.3076,
0.6832

 245.5152, 0.3424,
0.4839

 11.5484, 0.2785,
0.7215

 295.6539, 0.3417,
0.4740

 6.4369, 0.2338,
0.7662


352.1923, 0.3410,


 3.1125, 0.1646,

0.4653


0.8354


415.5148, 0.3402,
0.4575

 1.1908, 0.0000,
1.0000


 0.0541, 0.0000,
1.0000


 77.3645, 0.3412,
0.5598


 77.3645, 0.3412,
0.5598


 76.2142, 0.3360,
0.5706


 78.7540, 0.3446,
0.5433

 76.0245, 0.3349,
0.5723


 80.4016, 0.3457,
0.5213

 82.3313, 0.3446,
0.4950

 84.5611, 0.3416,
0.4660

 87.1076, 0.3370,
0.4357

 89.9855, 0.3313,
0.4056

 93.2086, 0.3249,
0.3767

 96.7900, 0.3182,
0.3496

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



77.3645, 0.4446, 0.5099



77.3645, 0.3412, 0.5598



77.3645, 0.2363, 0.5045

Triad

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



77.3645, 0.3412, 0.5598



77.3645, 0.1289, 0.1791



77.3645, 0.4833, 0.2758

Complementary

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



77.3645, 0.3412, 0.5598



14.0007, 0.2139, 0.1003

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.



77.3645, 0.3608, 0.2142



77.3645, 0.3412, 0.5598



77.3645, 0.1664, 0.1610

Square

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



77.3645, 0.3412, 0.5598



77.3645, 0.1250, 0.2401



77.3645, 0.2434, 0.1739



77.3645, 0.5455, 0.3477

Rectangle

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



77.3645, 0.3412, 0.5598



77.3645, 0.1797, 0.4105



77.3645, 0.2434, 0.1739



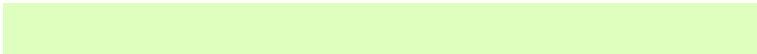
77.3645, 0.4460, 0.2536

Sweetspot

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



77.3674, 0.3412, 0.5598



90.6625, 0.3300, 0.3992



40.8652, 0.5200, 0.4148



19.1783, 0.3321, 0.4094



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.



77.3674, 0.3412, 0.5598



76.0245, 0.3349, 0.5723



71.8919, 0.3004, 0.5912



20.6121, 0.3191, 0.3530



39.8131, 0.3361, 0.5713



3.9414, 0.3447, 0.5645

Inverse Universe

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



14.0007, 0.2139, 0.1003



11.8168, 0.2009, 0.0880



29.4139, 0.3207, 0.1579



17.8261, 0.3058, 0.3050



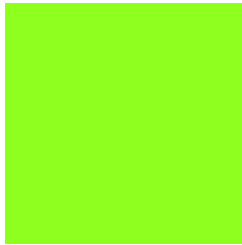
6.2634, 0.2025, 0.0889



0.6748, 0.2148, 0.0957

Previews

White Background



This preview shows how the Yxy color 77.3645, 0.3412, 0.5598 looks on a white background.

Color Contrast Check

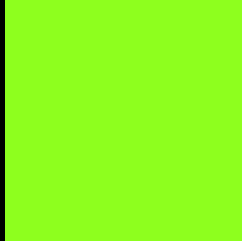
Large Text (above 18pt) WCAG AA × Fail

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 77.3645, 0.3412, 0.5598 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

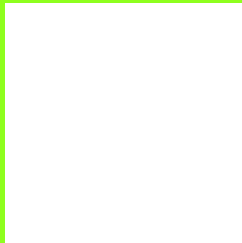
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.3645, 0.3412, 0.5598

Background



This preview shows how black text looks on a background with the Yxy color 77.3645, 0.3412, 0.5598.



This preview shows how white text looks on a background with the Yxy color 77.3645, 0.3412, 0.5598.

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

77.3645, 0.3412, 0.5598

Protanopia

76.2820, 0.4379, 0.4847

Deuteranopia

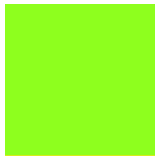
76.0289, 0.3708, 0.3772



Tritanopia

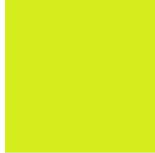
76.9023, 0.2652, 0.3090

Trichromacy



Original Color

77.3645, 0.3412, 0.5598



Protanomaly

74.9532, 0.3996, 0.5143



Deuteranomaly

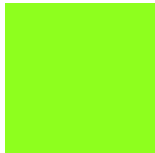
73.9791, 0.3685, 0.4514



Tritanomaly

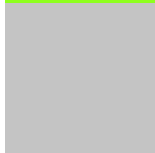
75.5050, 0.3027, 0.4155

Monochromacy



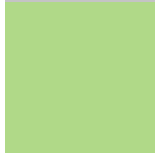
Original Color

77.3645, 0.3412, 0.5598



Achromatopsia

55.2011, 0.3127, 0.3290



Achromatomaly

60.6334, 0.3361, 0.4322

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.3645, 0.3412, 0.5598 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(142, 255, 30)` looks like.

```
.text, #text, p{  
    color:rgb(142, 255, 30)  
}
```

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(142, 255, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 255, 30) }
```

Border

The CSS property to change the border of an element to Yxy 77.3645, 0.3412, 0.5598 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(142, 255, 30) }
```

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

```
.border{ border-color:rgb(142, 255, 30) }
```

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

Here you see how a box with a 4 pixel rgb(142, 255, 30) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 255, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 255, 30);  
box-shadow:4px 4px 4px 4px rgb(142, 255,  
30) }
```


Background

The CSS property to change the background color of an element to Yxy 77.3645, 0.3412, 0.5598 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 255, 30) }
```

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

```
.background{ background-color: rgb(142,  
255, 30) }
```

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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