

Converting Colors

$Yxy(78.1799, 0.3486, 0.5597)$

Have a look what the booklet for
Yxy(78.1799, 0.3486, 0.5597)
contains.

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Color

Yxy(78.2173, 0.3488, 0.5595)

Conversions

Conversions Part 1

Format	Color
Hex	98FF0A
RGB	152, 255, 10
RGB Percent	60%, 100%, 4%
CMY	0.4040, 0.0000, 0.9600
CMYK	0.40, 0.00, 0.96, 0.00
HSL	85°, 100%, 52%
HSV	85°, 96%, 100%
XYZ	48.7617, 78.2173, 12.8195
YIQ	196.2730, 17.2570, -98.0310

Conversions

Conversions Part 2

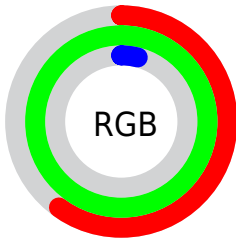
Format	Color
R _Y B	10, 255, 113
Decimal	10026762
CIE Lab	90.88, -60.42, 86.25
CIE LCh	91, 105.306, 125.011
Yxy	78.2173, 0.3488, 0.5595
Android (android.graphics.Color)	4288216842 (0xFF98FF0A)
YUV	196.2730, -91.8326, -38.8274
Hunter-Lab	88.4405, -56.3549, 53.3142

Details

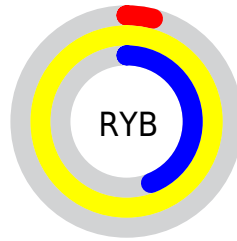
The Yxy color **78.2173, 0.3488, 0.5595** is a dark color, and the websafe version is hex **99FF00**. The color can be described as middle saturated chartreuse. A complement of this color would be **10.9677, 0.1903, 0.0835**, and the grayscale version is **55.9403, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.5107, 0.3708, 0.4911**, and **42.0564, 0.3300, 0.5762** is the 20% darker color. If you saturate the color by 10%, you get **77.7863, 0.3467, 0.5629**, and if you desaturate by 10%, it is **79.4018, 0.3530, 0.5484**.

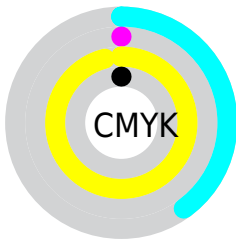
Distribution



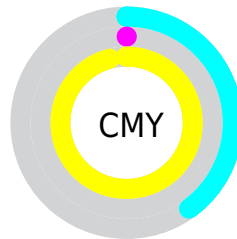
- Red (60%)
- Green (100%)
- Blue (4%)



- Red (4%)
- Yellow (100%)
- Blue (44%)



- Cyan (40%)
- Magenta (0%)
- Yellow (96%)
- Black (0%)





- Cyan (40%)
- Magenta (0%)
- Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.2173, 0.3488, 0.5595 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 78.2173, 0.3488, 0.5595 by changing the saturation by 10% instead.


 78.2173, 0.3488,
0.5595


 78.2173, 0.3488,
0.5595


488.9045, 0.3441,
0.4518

 58.2525, 0.3462,
0.5821

 130.8564, 0.3501,
0.5233

 42.0117, 0.3411,
0.6084


 164.2995, 0.3497,
0.5088

 29.1104, 0.3318,
0.6386

 203.0041, 0.3490,
0.4961


 19.1644, 0.3183,
0.6781

 247.3547, 0.3481,
0.4850

 11.7891, 0.2891,
0.7109

 297.7357, 0.3471,
0.4752

 6.6002, 0.2467,
0.7533


 354.5313, 0.3461,


 3.2134, 0.1835,


0.4665


418.1262, 0.3451,
0.4587

0.8165

 1.2441, 0.0000,
1.0000


 0.0973, 0.0000,
1.0000


 78.2173, 0.3488,
0.5595


 78.2173, 0.3488,
0.5595


 77.7863, 0.3467,
0.5629

 79.4018, 0.3530,
0.5484


 80.7941, 0.3550,
0.5318

 82.4154, 0.3546,
0.5102


 84.2843, 0.3518,
0.4847

 86.4168, 0.3471,
0.4566

 88.8274, 0.3408,
0.4274

 91.5291, 0.3335,
0.3984

 94.5343, 0.3256,
0.3703

 97.8542, 0.3175,
0.3439

Harmonies

Analogous

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



78.2173, 0.4515, 0.5046



78.2173, 0.3488, 0.5595



78.2173, 0.2430, 0.5131

Triad

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



78.2173, 0.3488, 0.5595



78.2173, 0.1272, 0.1815



78.2173, 0.4763, 0.2708

Complementary

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



78.2173, 0.3488, 0.5595



10.9677, 0.1903, 0.0835

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.



78.2173, 0.3516, 0.2103



78.2173, 0.3488, 0.5595



78.2173, 0.1622, 0.1609

Square

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



78.2173, 0.3488, 0.5595



78.2173, 0.1257, 0.2463



78.2173, 0.2363, 0.1718



78.2173, 0.5445, 0.3423

Rectangle

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



78.2173, 0.3488, 0.5595



78.2173, 0.1845, 0.4215



78.2173, 0.2363, 0.1718



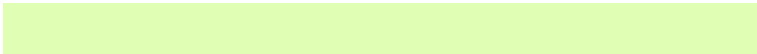
78.2173, 0.4377, 0.2489

Sweetspot

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



78.2159, 0.3488, 0.5595



90.6861, 0.3358, 0.4070



32.9164, 0.5596, 0.3910



19.1643, 0.3389, 0.4195



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.



78.2159, 0.3488, 0.5595



77.7863, 0.3467, 0.5629



71.8277, 0.3020, 0.5964



20.6877, 0.3204, 0.3529



40.7348, 0.3478, 0.5620



4.0305, 0.3557, 0.5558

Inverse Universe

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



10.9677, 0.1903, 0.0835



10.3655, 0.1860, 0.0798



25.0360, 0.3005, 0.1439



17.7513, 0.3045, 0.3049



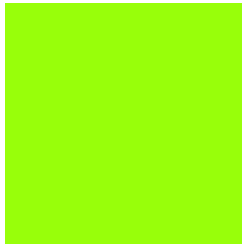
5.4994, 0.1877, 0.0808



0.5980, 0.2002, 0.0877

Previews

White Background



This preview shows how the Yxy color 78.2173, 0.3488, 0.5595 looks on a white background.

Color Contrast Check

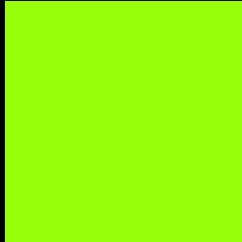
Large Text (above 18pt) WCAG AA × Fail

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 78.2173, 0.3488, 0.5595 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 78.2173, 0.3488, 0.5595

Background



This preview shows how black text looks on a background with the Yxy color 78.2173, 0.3488, 0.5595.

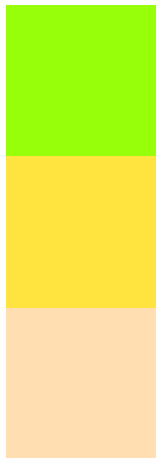


This preview shows how white text looks on a background with the Yxy color 78.2173, 0.3488, 0.5595.

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

78.2173, 0.3488, 0.5595

Protanopia

77.1057, 0.4290, 0.4734

Deuteranopia

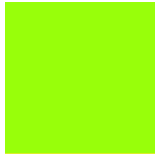
76.7169, 0.3677, 0.3741



Tritanopia

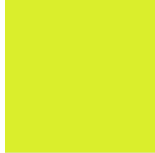
77.8557, 0.2695, 0.3092

Trichromacy



Original Color

78.2173, 0.3488, 0.5595



Protanomaly

76.2363, 0.3993, 0.5078



Deuteranomaly

75.0354, 0.3738, 0.4557



Tritanomaly

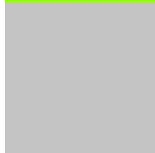
76.2252, 0.3120, 0.4228

Monochromacy



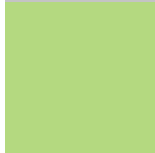
Original Color

78.2173, 0.3488, 0.5595



Achromatopsia

55.2011, 0.3127, 0.3290



Achromatomaly

60.8875, 0.3442, 0.4409

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.2173, 0.3488, 0.5595 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(152, 255, 10)` looks like.

```
.text, #text, p{  
    color:rgb(152, 255, 10)  
}
```

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(152, 255, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 255, 10) }
```

Border

The CSS property to change the border of an element to Yxy 78.2173, 0.3488, 0.5595 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(152, 255, 10) }
```

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

```
.border{ border-color:rgb(152, 255, 10) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 255, 10)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 255, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 255, 10);  
box-shadow:4px 4px 4px 4px rgb(152, 255,  
10) }
```


Background

The CSS property to change the background color of an element to Yxy 78.2173, 0.3488, 0.5595 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 255, 10) }
```

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

```
.background{ background-color: rgb(152,  
255, 10) }
```

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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