

Converting Colors

$Y_{xy}(100.0000, 0.3087, 0.5244)$

Have a look what the booklet for
Yxy(100.0000, 0.3087, 0.5244)
contains.

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Color

Yxy(77.2243, 0.3109, 0.5056)

Conversions

Conversions Part 1

Format	Color
Hex	7FFF71
RGB	127, 255, 113
RGB Percent	50%, 100%, 44%
CMY	0.5022, 0.0000, 0.5568
CMYK	0.50, 0.00, 0.56, 0.00
HSL	114°, 100%, 72%
HSV	114°, 56%, 100%
XYZ	47.4862, 77.2243, 28.0274
YIQ	200.5400, -30.7060, -71.2980

Conversions

Conversions Part 2

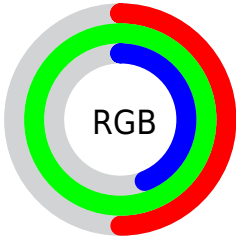
Format	Color
RYB	113, 255, 241
Decimal	8388465
CIELab	90.42, -61.98, 56.27
CIElCh	90, 83.711, 137.767
Yxy	77.2243, 0.3109, 0.5056
Android (android.graphics.Color)	4286578545 (0xFF7FFF71)
YUV	200.5400, -43.1572, -64.4946
Hunter-Lab	87.8774, -57.3295, 42.6043

Details

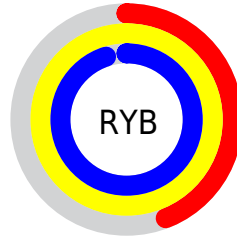
The Yxy color **77.2243, 0.3109, 0.5056** is a light color, and the websafe version is hex **66FF66**. A complement of this color would be **37.7460, 0.3063, 0.1919**, and the grayscale version is **58.3831, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.9119, 0.3193, 0.4281**, and **41.2724, 0.3036, 0.5509** is the 20% darker color. If you saturate the color by 10%, you get **75.1558, 0.3092, 0.5379**, and if you desaturate by 10%, it is **79.8477, 0.3121, 0.4706**.

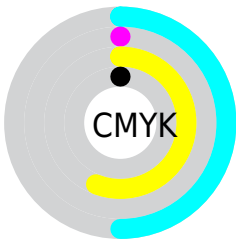
Distribution



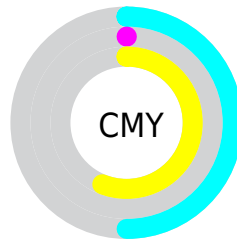
- Red (50%)
- Green (100%)
- Blue (44%)



- Red (44%)
- Yellow (100%)
- Blue (95%)



- Cyan (50%)
- Magenta (0%)
- Yellow (56%)
- Black (0%)





- Cyan (50%)
- Magenta (0%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.2243, 0.3109, 0.5056 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 77.2243, 0.3109, 0.5056 by changing the saturation by 10% instead.


 77.2243, 0.3109,
0.5056

 77.2243, 0.3109,
0.5056


485.5284, 0.3169,
0.4188

 57.4370, 0.3080,
0.5261

 129.4561, 0.3141,
0.4748

 41.3562, 0.3037,
0.5515


 162.6693, 0.3150,
0.4630

 28.5975, 0.2968,
0.5836


 201.1266, 0.3157,
0.4529

 18.7766, 0.2856,
0.6248

245.2124, 0.3161,
0.4442

 11.5089, 0.2666,
0.6780

295.3111, 0.3164,
0.4366

 6.4102, 0.2381,
0.7619

351.8071, 0.3166,

 3.0961, 0.1704,

0.4299

0.8296

415.0847, 0.3168,
0.4240

■ 1.1821, 0.0000,
1.0000

■ 0.0470, 0.0000,
1.0000

■ 77.2243, 0.3109,
0.5056

■ 77.2243, 0.3109,
0.5056

■ 75.1558, 0.3092,
0.5379

■ 79.8477, 0.3121,
0.4706

■ 73.6145, 0.3071,
0.5650

■ 83.0774, 0.3128,
0.4355


■ 72.5483, 0.3048,
0.5846

■ 86.9431, 0.3132,
0.4019

■ 71.9005, 0.3025,
0.5958

■ 91.4763, 0.3132,
0.3710

 71.7268, 0.3018,
0.5986

 96.7066, 0.3129,
0.3433

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.



77.2243, 0.4007, 0.5007



77.2243, 0.3109, 0.5056



77.2243, 0.2263, 0.4292

Triad

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



77.2243, 0.3109, 0.5056



77.2243, 0.1644, 0.1947



77.2243, 0.4757, 0.3094

Complementary

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



77.2243, 0.3109, 0.5056



37.7460, 0.3063, 0.1919

Split Complementary

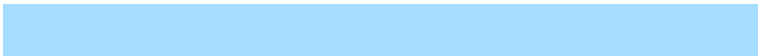
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.2243, 0.3896, 0.2506



77.2243, 0.3109, 0.5056



77.2243, 0.2097, 0.1875

Square

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



77.2243, 0.3109, 0.5056



77.2243, 0.1511, 0.2354



77.2243, 0.2885, 0.2075



77.2243, 0.5054, 0.3758

Rectangle

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



77.2243, 0.3109, 0.5056



77.2243, 0.1849, 0.3539



77.2243, 0.2885, 0.2075



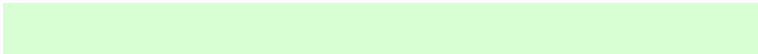
77.2243, 0.4517, 0.2886

Sweetspot

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



77.2196, 0.3109, 0.5056



90.8398, 0.3132, 0.3749



85.2453, 0.4002, 0.4511



19.2407, 0.3132, 0.3809



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.



77.2196, 0.3109, 0.5056



74.9238, 0.3090, 0.5418



77.9263, 0.2797, 0.4376



20.2533, 0.3130, 0.3535



37.5068, 0.3022, 0.5982



3.6790, 0.3067, 0.5947

Inverse Universe

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



37.7460, 0.3063, 0.1919



31.8031, 0.3039, 0.1709



37.1590, 0.3768, 0.2441



18.2045, 0.3122, 0.3055



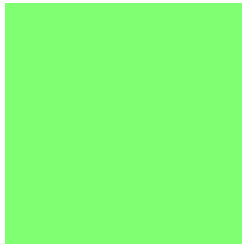
12.5990, 0.2963, 0.1406



1.2519, 0.2993, 0.1422

Previews

White Background



This preview shows how the Yxy color 77.2243, 0.3109, 0.5056 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 77.2243, 0.3109, 0.5056 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

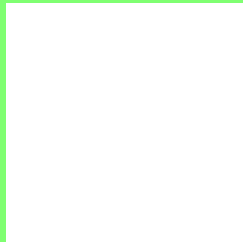
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.2243, 0.3109, 0.5056

Background



This preview shows how black text looks on a background with the Yxy color 77.2243, 0.3109, 0.5056.

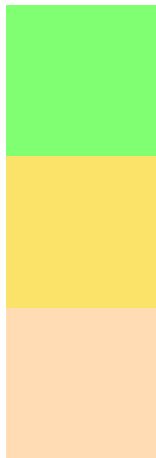


This preview shows how white text looks on a background with the Yxy color 77.2243, 0.3109, 0.5056.

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

77.2243, 0.3109, 0.5056

Protanopia

75.9014, 0.4100, 0.4479

Deuteranopia

75.7011, 0.3675, 0.3711



Tritanopia

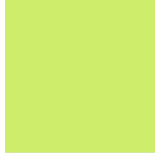
76.6939, 0.2617, 0.3099

Trichromacy



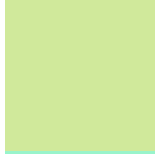
Original Color

77.2243, 0.3109, 0.5056



Protanomaly

74.7517, 0.3686, 0.4719



Deuteranomaly

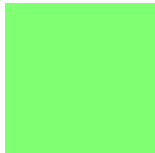
74.0543, 0.3446, 0.4179



Tritanomaly

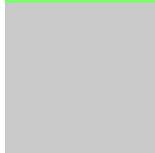
75.7855, 0.2810, 0.3785

Monochromacy



Original Color

77.2243, 0.3109, 0.5056



Achromatopsia

58.4078, 0.3127, 0.3290



Achromatomaly

63.5761, 0.3131, 0.3944

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.2243, 0.3109, 0.5056 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(127, 255, 113)` looks like.

```
.text, #text, p{  
    color:rgb(127, 255, 113)  
}
```

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(127, 255, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 255, 113) }
```

Border

The CSS property to change the border of an element to Yxy 77.2243, 0.3109, 0.5056 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(127, 255, 113) }
```

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

```
.border{ border-color:rgb(127, 255, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 255, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 255, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 255, 113);  
box-shadow:4px 4px 4px 4px rgb(127, 255,  
113) }
```


Background

The CSS property to change the background color of an element to Yxy 77.2243, 0.3109, 0.5056 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 255, 113) }
```

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

```
.background{ background-color: rgb(127,  
255, 113) }
```

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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