

Converting Colors

$Yxy(77.2905, 0.3090, 0.5009)$

Have a look what the booklet for
Yxy(77.2905, 0.3090, 0.5009)
contains.

Yxy(77.3164, 0.3093, 0.5012)	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(77.3164, 0.3093, 0.5012)

Conversions

Conversions Part 1

Format	Color
Hex	7FFF75
RGB	127, 255, 117
RGB Percent	50%, 100%, 46%
CMY	0.5023, 0.0000, 0.5412
CMYK	0.50, 0.00, 0.54, 0.00
HSL	116°, 100%, 73%
HSV	116°, 54%, 100%
XYZ	47.7134, 77.3164, 29.2328
YIQ	200.9960, -31.9900, -70.0540

Conversions

Conversions Part 2

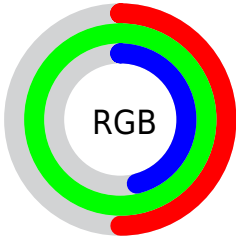
Format	Color
RYB	117, 255, 245
Decimal	8388469
CIELab	90.47, -61.53, 54.54
CIELCh	90, 82.224, 138.446
Yxy	77.3164, 0.3093, 0.5012
Android (android.graphics.Color)	4286578549 (0xFF7FFF75)
YUV	200.9960, -41.4100, -64.8945
Hunter-Lab	87.9297, -57.0174, 41.8395

Details

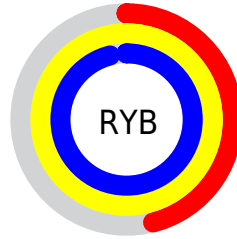
The Yxy color **77.3164, 0.3093, 0.5012** is a light color, and the websafe version is hex **66FF66**. A complement of this color would be **39.3636, 0.3098, 0.1964**, and the grayscale version is **58.6651, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.0634, 0.3171, 0.4235**, and **41.3155, 0.3021, 0.5462** is the 20% darker color. If you saturate the color by 10%, you get **75.1824, 0.3077, 0.5343**, and if you desaturate by 10%, it is **80.0272, 0.3106, 0.4658**.

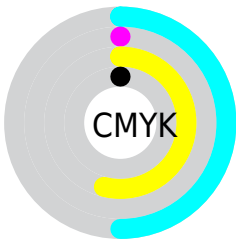
Distribution



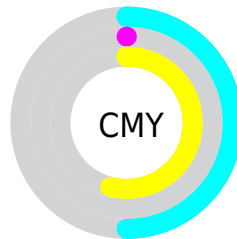
- Red (50%)
- Green (100%)
- Blue (46%)



- Red (46%)
- Yellow (100%)
- Blue (96%)



- Cyan (50%)
- Magenta (0%)
- Yellow (54%)
- Black (0%)





- Cyan (50%)
- Magenta (0%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.3164, 0.3093, 0.5012 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 77.3164, 0.3093, 0.5012 by changing the saturation by 10% instead.

 77.3164, 0.3093,
0.5012


 77.3164, 0.3093,
0.5012

485.8421, 0.3157,
0.4165

 57.5126, 0.3064,
0.5213

 129.5860, 0.3126,
0.4711

 41.4169, 0.3021,
0.5462

 162.8206, 0.3136,
0.4596

 28.6450, 0.2954,
0.5778

 201.3009, 0.3143,
0.4497

 18.8124, 0.2846,
0.6185

245.4114, 0.3148,
0.4413

 11.5348, 0.2663,
0.6715

295.5363, 0.3151,
0.4339

 6.4278, 0.2401,
0.7599

352.0601, 0.3154,

 3.1069, 0.1733,

0.4274

0.8267

415.3673, 0.3156,
0.4216

■ 1.1878, 0.0000,
1.0000

■ 0.0517, 0.0000,
1.0000

■ 77.3164, 0.3093,
0.5012

■ 77.3164, 0.3093,
0.5012

■ 75.1824, 0.3077,
0.5343

■ 80.0272, 0.3106,
0.4658

■ 73.6008, 0.3058,
0.5624


■ 83.3738, 0.3116,
0.4305


■ 72.5151, 0.3038,
0.5832

■ 87.3859, 0.3122,
0.3971

■ 71.8657, 0.3019,
0.5953

■ 92.0967, 0.3126,
0.3665

 71.6520, 0.3011,
0.5991

 97.5373, 0.3127,
0.3393

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.



77.3164, 0.3979, 0.4988



77.3164, 0.3093, 0.5012



77.3164, 0.2263, 0.4248

Triad

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



77.3164, 0.3093, 0.5012



77.3164, 0.1672, 0.1963



77.3164, 0.4741, 0.3115

Complementary

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



77.3164, 0.3093, 0.5012



39.3636, 0.3098, 0.1964

Split Complementary

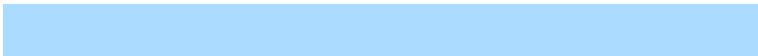
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.3164, 0.3906, 0.2530



77.3164, 0.3093, 0.5012



77.3164, 0.2127, 0.1897

Square

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



77.3164, 0.3093, 0.5012



77.3164, 0.1533, 0.2357



77.3164, 0.2911, 0.2100



77.3164, 0.5021, 0.3772

Rectangle

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



77.3164, 0.3093, 0.5012



77.3164, 0.1859, 0.3512



77.3164, 0.2911, 0.2100



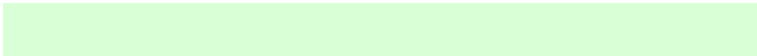
77.3164, 0.4510, 0.2908

Sweetspot

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



77.3098, 0.3093, 0.5012



91.1579, 0.3125, 0.3720



86.9442, 0.3968, 0.4501



19.2974, 0.3124, 0.3782



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.



77.3098, 0.3093, 0.5012



75.0226, 0.3075, 0.5370



78.3761, 0.2792, 0.4309



20.2305, 0.3126, 0.3535



37.4622, 0.3015, 0.5988



3.6683, 0.3050, 0.5961

Inverse Universe

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



39.3636, 0.3098, 0.1964



33.4736, 0.3084, 0.1761



38.0331, 0.3769, 0.2483



18.2299, 0.3126, 0.3055



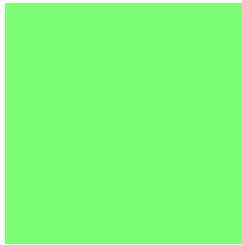
13.1767, 0.3029, 0.1442



1.3021, 0.3051, 0.1454

Previews

White Background



This preview shows how the Yxy color 77.3164, 0.3093, 0.5012 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 77.3164, 0.3093, 0.5012 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 77.3164, 0.3093, 0.5012

Background



This preview shows how black text looks on a background with the Yxy color 77.3164, 0.3093, 0.5012.



This preview shows how white text looks on a background with the Yxy color 77.3164, 0.3093, 0.5012.

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

77.3164, 0.3093, 0.5012

Protanopia

75.7994, 0.4071, 0.4451

Deuteranopia

75.7417, 0.3668, 0.3701



Tritanopia

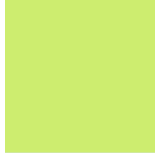
76.6939, 0.2617, 0.3099

Trichromacy



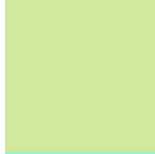
Original Color

77.3164, 0.3093, 0.5012



Protanomaly

74.6952, 0.3659, 0.4686



Deuteranomaly

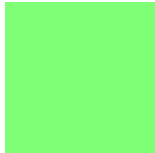
74.1220, 0.3434, 0.4156



Tritanomaly

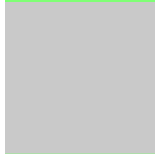
75.8814, 0.2800, 0.3760

Monochromacy



Original Color

77.3164, 0.3093, 0.5012



Achromatopsia

58.4078, 0.3127, 0.3290



Achromatomaly

63.6139, 0.3125, 0.3931

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.3164, 0.3093, 0.5012 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, 117)` looks like.

```
.text, #text, p{  
    color:rgb(127, 255, 117)  
}
```

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, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 255, 117) }
```

Border

The CSS property to change the border of an element to Yxy 77.3164, 0.3093, 0.5012 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, 117) }
```

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

```
.border{ border-color:rgb(127, 255, 117) }
```

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, 117) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 255, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 255, 117);  
box-shadow:4px 4px 4px 4px rgb(127, 255,  
117) }
```


Background

The CSS property to change the background color of an element to Yxy 77.3164, 0.3093, 0.5012 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, 117) }
```

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

```
.background{ background-color: rgb(127,  
255, 117) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor