

Converting Colors

$Yxy(93.4173, 0.2782, 0.4597)$

Have a look what the booklet for
Yxy(93.4173, 0.2782, 0.4597)
contains.

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Color

Yxy(77.1890, 0.2750, 0.4387)

Conversions

Conversions Part 1

Format	Color
Hex	65FFAA
RGB	101, 255, 170
RGB Percent	40%, 100%, 67%
CMY	0.6037, 0.0000, 0.3334
CMYK	0.60, 0.00, 0.33, 0.00
HSL	147°, 100%, 70%
HSV	147°, 60%, 100%
XYZ	48.3861, 77.1890, 50.3743
YIQ	199.2640, -64.4990, -59.0830

Conversions

Conversions Part 2

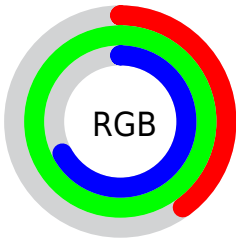
Format	Color
RYB	101, 207, 255
Decimal	6684586
CIELab	90.41, -59.42, 28.78
CIELCh	90, 66.023, 154.158
Yxy	77.1890, 0.2750, 0.4387
Android (android.graphics.Color)	4284874666 (0xFF65FFAA)
YUV	199.2640, -14.4272, -86.1775
Hunter-Lab	87.8573, -55.4440, 27.5053

Details

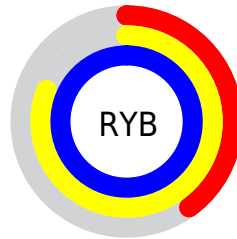
The Yxy color **77.1890, 0.2750, 0.4387** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **34.1257, 0.3938, 0.2454**, and the grayscale version is **57.4125, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.9035, 0.2762, 0.3619**, and **41.2685, 0.2642, 0.4684** is the 20% darker color. If you saturate the color by 10%, you get **75.4356, 0.2730, 0.4607**, and if you desaturate by 10%, it is **79.4617, 0.2788, 0.4171**.

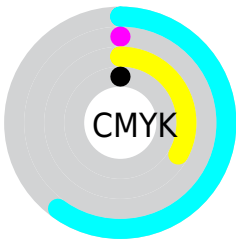
Distribution



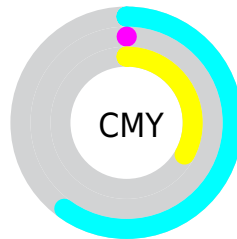
- Red (40%)
- Green (100%)
- Blue (67%)



- Red (40%)
- Yellow (81%)
- Blue (100%)



- Cyan (60%)
- Magenta (0%)
- Yellow (33%)
- Black (0%)





- Cyan (60%)
- Magenta (0%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.1890, 0.2750, 0.4387 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 77.1890, 0.2750, 0.4387 by changing the saturation by 10% instead.


 77.1890, 0.2750,
0.4387


 77.1890, 0.2750,
0.4387


485.4082, 0.2941,
0.3849


 57.4080, 0.2702,
0.4517


 129.4062, 0.2819,
0.4194

 41.3329, 0.2642,
0.4681


 162.6113, 0.2845,
0.4121

 28.5793, 0.2561,
0.4895


 201.0598, 0.2867,
0.4059

 18.7628, 0.2451,
0.5182

245.1362, 0.2886,
0.4005

 11.4990, 0.2291,
0.5586

295.2248, 0.2903,
0.3958

 6.4035, 0.2043,
0.6188


351.7101, 0.2917,


 3.0920, 0.1645,


0.3917


0.7298


414.9764, 0.2930,
0.3881

 1.1799, 0.0000,
1.0000


 0.0452, 0.0000,
1.0000


 77.1890, 0.2750,
0.4387


 77.1890, 0.2750,
0.4387

 75.4356, 0.2730,
0.4607

 79.4617, 0.2788,
0.4171

 74.1474, 0.2729,
0.4823


 82.2850, 0.2840,
0.3965

 73.2730, 0.2748,
0.5030

 85.6977, 0.2903,
0.3773

 72.7393, 0.2782,
0.5214

 89.7325, 0.2973,
0.3597

 94.4197, 0.3048,
0.3437

99.7875, 0.3124,
0.3295

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.



77.1890, 0.3490, 0.4728



77.1890, 0.2750, 0.4387



77.1890, 0.2153, 0.3606

Triad

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



77.1890, 0.2750, 0.4387



77.1890, 0.2081, 0.2122



77.1890, 0.4617, 0.3466

Complementary

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



77.1890, 0.2750, 0.4387



34.1257, 0.3938, 0.2454

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.



77.1890, 0.4147, 0.2918



77.1890, 0.2750, 0.4387



77.1890, 0.2620, 0.2183

Square

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



77.1890, 0.2750, 0.4387



77.1890, 0.1816, 0.2321



77.1890, 0.3378, 0.2466



77.1890, 0.4605, 0.4037

Rectangle

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



77.1890, 0.2750, 0.4387



77.1890, 0.1907, 0.3061



77.1890, 0.3378, 0.2466



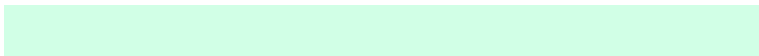
77.1890, 0.4510, 0.3277

Sweetspot

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



77.1919, 0.2750, 0.4387



90.7837, 0.2990, 0.3557



83.1889, 0.3520, 0.4970



19.1564, 0.2969, 0.3606



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.



77.1919, 0.2750, 0.4387



75.1952, 0.2728, 0.4642



80.8663, 0.2427, 0.3409



20.3034, 0.3054, 0.3424



38.0369, 0.2773, 0.5183



3.7251, 0.2712, 0.4963

Inverse Universe

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



34.1257, 0.3938, 0.2454



28.8262, 0.4178, 0.2360



31.7326, 0.4918, 0.3199



18.1550, 0.3207, 0.3160



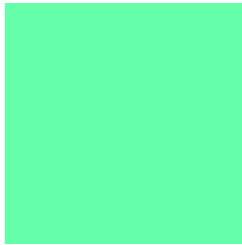
12.1412, 0.4743, 0.2387



1.2042, 0.4520, 0.2263

Previews

White Background



This preview shows how the Yxy color 77.1890, 0.2750, 0.4387 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 77.1890, 0.2750, 0.4387 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

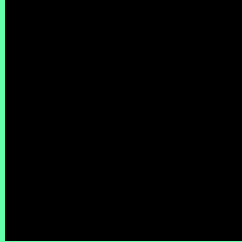
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 77.1890, 0.2750, 0.4387

Background



This preview shows how black text looks on a background with the Yxy color 77.1890, 0.2750, 0.4387.

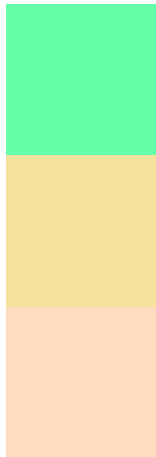


This preview shows how white text looks on a background with the Yxy color 77.1890, 0.2750, 0.4387.

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

77.1890, 0.2750, 0.4387

Protanopia

76.0601, 0.3725, 0.4014

Deuteranopia

75.6846, 0.3591, 0.3578



Tritanopia

76.3239, 0.2574, 0.3108

Trichromacy



Original Color

77.1890, 0.2750, 0.4387



Protanomaly

74.3835, 0.3282, 0.4170



Deuteranomaly

73.2742, 0.3209, 0.3857



Tritanomaly

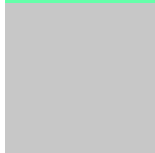
76.0899, 0.2633, 0.3541

Monochromacy



Original Color

77.1890, 0.2750, 0.4387



Achromatopsia

57.1125, 0.3127, 0.3290



Achromatomaly

62.0804, 0.2938, 0.3683

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.1890, 0.2750, 0.4387 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(101, 255, 170)` looks like.

```
.text, #text, p{  
    color:rgb(101, 255, 170)  
}
```

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(101, 255, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 255, 170) }
```

Border

The CSS property to change the border of an element to Yxy 77.1890, 0.2750, 0.4387 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(101, 255, 170) }
```

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

```
.border{ border-color:rgb(101, 255, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 255, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 255, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 255, 170);  
box-shadow:4px 4px 4px 4px rgb(101, 255,  
170) }
```


Background

The CSS property to change the background color of an element to Yxy 77.1890, 0.2750, 0.4387 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 255, 170) }
```

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

```
.background{ background-color: rgb(101,  
255, 170) }
```

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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