

Converting Colors

$Y_{xy}(75.7826, 0.3223, 0.5521)$

Have a look what the booklet for
Yxy(75.7826, 0.3223, 0.5521)
contains.

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Color

Yxy(75.7532, 0.3220, 0.5520)

Conversions

Conversions Part 1

Format	Color
Hex	76FF41
RGB	118, 255, 65
RGB Percent	46%, 100%, 25%
CMY	0.5371, 0.0000, 0.7451
CMYK	0.54, 0.00, 0.75, 0.00
HSL	103°, 100%, 63%
HSV	103°, 75%, 100%
XYZ	44.1894, 75.7532, 17.2915
YIQ	192.3770, -20.6620, -88.1340

Conversions

Conversions Part 2

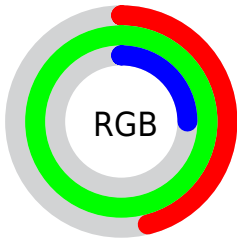
Format	Color
RYB	65, 255, 202
Decimal	7798593
CIELab	89.74, -68.45, 74.01
CIELCh	90, 100.814, 132.765
Yxy	75.7532, 0.3220, 0.5520
Android (android.graphics.Color)	4285988673 (0xFF76FF41)
YUV	192.3770, -62.7969, -65.2286
Hunter-Lab	87.0363, -61.6870, 49.1463

Details

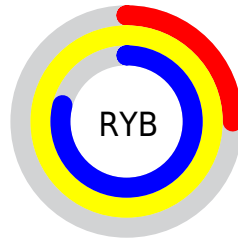
The Yxy color **75.7532, 0.3220, 0.5520** is a dark color, and the websafe version is hex **66FF33**. The color can be described as middle washed chartreuse. A complement of this color would be **23.5491, 0.2690, 0.1430**, and the grayscale version is **53.3351, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.8244, 0.3370, 0.4770**, and **40.4461, 0.3078, 0.5938** is the 20% darker color. If you saturate the color by 10%, you get **74.3599, 0.3185, 0.5727**, and if you desaturate by 10%, it is **77.5364, 0.3242, 0.5253**.

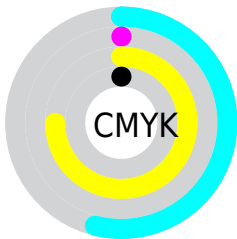
Distribution



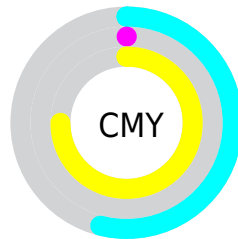
- Red (46%)
- Green (100%)
- Blue (25%)



- Red (25%)
- Yellow (100%)
- Blue (79%)



- Cyan (54%)
- Magenta (0%)
- Yellow (75%)
- Black (0%)





- Cyan (54%)
- Magenta (0%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 75.7532, 0.3220, 0.5520 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 75.7532, 0.3220, 0.5520 by changing the saturation by 10% instead.

 75.7532, 0.3220,
0.5520


 75.7532, 0.3220,
0.5520


480.5024, 0.3269,
0.4434

 56.2302, 0.3180,
0.5766

 127.3780, 0.3259,
0.5141

 40.3875, 0.3116,
0.6062

 160.2485, 0.3268,
0.4994

 27.8408, 0.3012,
0.6419


 198.3370, 0.3273,
0.4867

 18.2057, 0.2841,
0.6850

 242.0278, 0.3274,
0.4757

 11.0978, 0.2579,
0.7421

 291.7054, 0.3275,
0.4661

 6.1326, 0.2091,
0.7909

347.7541, 0.3274,

 2.9259, 0.1220,

0.4576

0.8780

410.5583, 0.3272,
0.4501

■ 1.0932, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 75.7532, 0.3220,
0.5520

■ 75.7532, 0.3220,
0.5520

■ 74.3599, 0.3185,
0.5727

■ 77.5364, 0.3242,
0.5253


■ 73.3135, 0.3139,
0.5862

■ 79.7299, 0.3249,
0.4944


■ 72.8671, 0.3113,
0.5911

■ 82.3630, 0.3243,
0.4615

■ 85.4594, 0.3227,
0.4284

 89.0411, 0.3203,
0.3966

 93.1287, 0.3174,
0.3671

 97.7414, 0.3142,
0.3402

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.



75.7532, 0.4250, 0.5197



75.7532, 0.3220, 0.5520



75.7532, 0.2218, 0.4755

Triad

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



75.7532, 0.3220, 0.5520



75.7532, 0.1370, 0.1766



75.7532, 0.4958, 0.2903

Complementary

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



75.7532, 0.3220, 0.5520



23.5491, 0.2690, 0.1430

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.



75.7532, 0.3834, 0.2270



75.7532, 0.3220, 0.5520



75.7532, 0.1807, 0.1648

Square

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



75.7532, 0.3220, 0.5520



75.7532, 0.1272, 0.2277



75.7532, 0.2643, 0.1827



75.7532, 0.5412, 0.3626

Rectangle

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



75.7532, 0.3220, 0.5520



75.7532, 0.1710, 0.3806



75.7532, 0.2643, 0.1827



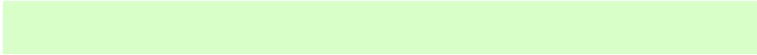
75.7532, 0.4633, 0.2678

Sweetspot

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



75.7562, 0.3220, 0.5520



90.0199, 0.3196, 0.3890



63.4916, 0.4491, 0.4518



19.0422, 0.3203, 0.3973



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.



75.7562, 0.3220, 0.5520



73.8494, 0.3165, 0.5796



73.6875, 0.2896, 0.5263



20.4136, 0.3158, 0.3533



38.1385, 0.3122, 0.5903



3.7653, 0.3202, 0.5839

Inverse Universe

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



23.5491, 0.2690, 0.1430



19.2117, 0.2579, 0.1235



29.8861, 0.3647, 0.1973



18.0305, 0.3093, 0.3053



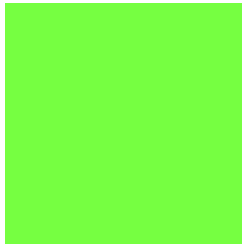
9.1633, 0.2511, 0.1157



0.9470, 0.2593, 0.1202

Previews

White Background



This preview shows how the Yxy color 75.7532, 0.3220, 0.5520 looks on a white background.

Color Contrast Check

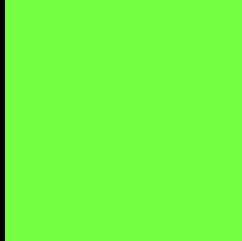
Large Text (above 18pt) WCAG AA × Fail

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 75.7532, 0.3220, 0.5520 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

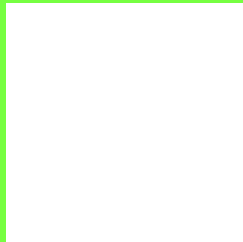
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 75.7532, 0.3220, 0.5520

Background



This preview shows how black text looks on a background with the Yxy color 75.7532, 0.3220, 0.5520.

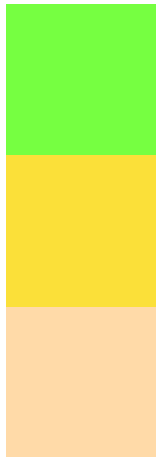


This preview shows how white text looks on a background with the Yxy color 75.7532, 0.3220, 0.5520.

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

75.7532, 0.3220, 0.5520

Protanopia

74.1159, 0.4308, 0.4753

Deuteranopia

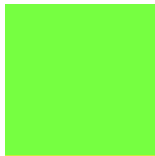
74.2300, 0.3761, 0.3804



Tritanopia

75.1593, 0.2571, 0.3085

Trichromacy



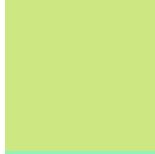
Original Color

75.7532, 0.3220, 0.5520



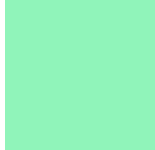
Protanomaly

72.4394, 0.3858, 0.5068



Deuteranomaly

71.7697, 0.3573, 0.4433



Tritanomaly

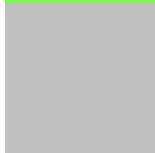
74.1758, 0.2851, 0.4012

Monochromacy



Original Color

75.7532, 0.3220, 0.5520



Achromatopsia

52.7115, 0.3127, 0.3290



Achromatomaly

58.6755, 0.3219, 0.4196

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.7532, 0.3220, 0.5520 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(118, 255, 65)` looks like.

```
.text, #text, p{  
    color:rgb(118, 255, 65)  
}
```

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(118, 255, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 255, 65) }
```

Border

The CSS property to change the border of an element to Yxy 75.7532, 0.3220, 0.5520 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(118, 255, 65) }
```

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

```
.border{ border-color:rgb(118, 255, 65) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 255, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 255, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 255, 65);  
box-shadow:4px 4px 4px 4px rgb(118, 255,  
65) }
```


Background

The CSS property to change the background color of an element to Yxy 75.7532, 0.3220, 0.5520 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 255, 65) }
```

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

```
.background{ background-color: rgb(118,  
255, 65) }
```

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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