

Converting Colors

$Y_{xy}(75.5350, 0.3208, 0.5537)$

Have a look what the booklet for
Yxy(75.5350, 0.3208, 0.5537)
contains.

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Color

Yxy(75.5350, 0.3208, 0.5537)

Conversions

Conversions Part 1

Format	Color
Hex	73FF40
RGB	115, 255, 64
RGB Percent	45%, 100%, 25%
CMY	0.5487, 0.0000, 0.7491
CMYK	0.55, 0.00, 0.75, 0.00
HSL	104°, 100%, 63%
HSV	104°, 75%, 100%
XYZ	43.7631, 75.5350, 17.1205
YIQ	191.3660, -22.1290, -89.0810

Conversions

Conversions Part 2

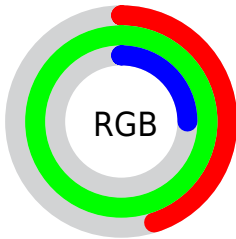
Format	Color
RYB	64, 255, 204
Decimal	7601984
CIELab	89.64, -69.26, 74.19
CIELCh	90, 101.500, 133.031
Yxy	75.5350, 0.3208, 0.5537
Android (android.graphics.Color)	4285792064 (0xFF73FF40)
YUV	191.3660, -62.7914, -66.9730
Hunter-Lab	86.9109, -62.2121, 49.1581

Details

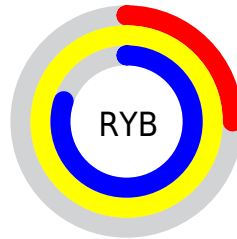
The Yxy color **75.5350, 0.3208, 0.5537** is a dark color, and the websafe version is hex **66FF33**. The color can be described as middle washed chartreuse. A complement of this color would be **23.7087, 0.2708, 0.1434**, and the grayscale version is **52.7182, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.4402, 0.3355, 0.4789**, and **40.3258, 0.3060, 0.5952** is the 20% darker color. If you saturate the color by 10%, you get **74.1696, 0.3172, 0.5741**, and if you desaturate by 10%, it is **77.2959, 0.3230, 0.5271**.

Distribution



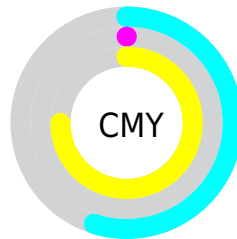
- Red (45%)
- Green (100%)
- Blue (25%)



- Red (25%)
- Yellow (100%)
- Blue (80%)



- Cyan (55%)
- Magenta (0%)
- Yellow (75%)
- Black (0%)





- Cyan (55%)
- Magenta (0%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 75.5350, 0.3208, 0.5537 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 75.5350, 0.3208, 0.5537 by changing the saturation by 10% instead.


 75.5350, 0.3208,
0.5537


 75.5350, 0.3208,
0.5537


479.7544, 0.3264,
0.4441


 56.0513, 0.3167,
0.5785


 127.0694, 0.3250,
0.5155

 40.2440, 0.3100,
0.6084


 159.8889, 0.3259,
0.5006


 27.7289, 0.2993,
0.6445

 197.9224, 0.3265,
0.4878

 18.1214, 0.2817,
0.6881

 241.5543, 0.3267,
0.4767

 11.0372, 0.2548,
0.7452

 291.1691, 0.3268,
0.4670

 6.0918, 0.2054,
0.7946


347.1511, 0.3267,

 2.9010, 0.1148,


0.4584


0.8852


409.8848, 0.3266,
0.4509

 1.0803, 0.0000,
1.0000

 0.0000, 0.0000,
0.0000


 75.5350, 0.3208,
0.5537

 75.5350, 0.3208,
0.5537

 74.1696, 0.3172,
0.5741


 77.2959, 0.3230,
0.5271

 73.1549, 0.3127,
0.5873

 79.4731, 0.3239,
0.4962

 72.7544, 0.3104,
0.5918

 82.0967, 0.3235,
0.4631

 85.1913, 0.3221,
0.4299

■ 88.7796, 0.3199,
0.3980

■ 92.8826, 0.3172,
0.3682

■ 97.5202, 0.3142,
0.3412

■ 99.9978, 0.3127,
0.3290

Harmonies

Analogous

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



75.5350, 0.4245, 0.5213



75.5350, 0.3208, 0.5537



75.5350, 0.2202, 0.4757

Triad

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



75.5350, 0.3208, 0.5537



75.5350, 0.1363, 0.1755



75.5350, 0.4980, 0.2906

Complementary

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



75.5350, 0.3208, 0.5537



23.7087, 0.2708, 0.1434

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.



75.5350, 0.3850, 0.2268



75.5350, 0.3208, 0.5537



75.5350, 0.1805, 0.1639

Square

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



75.5350, 0.3208, 0.5537



75.5350, 0.1261, 0.2262



75.5350, 0.2648, 0.1822



75.5350, 0.5428, 0.3631

Rectangle

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



75.5350, 0.3208, 0.5537



75.5350, 0.1695, 0.3796



75.5350, 0.2648, 0.1822



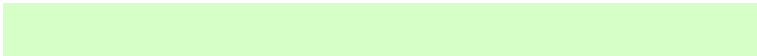
75.5350, 0.4654, 0.2679

Sweetspot

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



75.5382, 0.3208, 0.5537



89.9210, 0.3191, 0.3891



63.3454, 0.4498, 0.4521



19.0191, 0.3198, 0.3974



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.



75.5382, 0.3208, 0.5537



73.6133, 0.3150, 0.5818



73.6350, 0.2896, 0.5274



20.4031, 0.3156, 0.3533



38.0787, 0.3113, 0.5910



3.7583, 0.3192, 0.5848

Inverse Universe

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



23.7087, 0.2708, 0.1434



19.3546, 0.2598, 0.1240



29.7599, 0.3650, 0.1969



18.0417, 0.3095, 0.3053



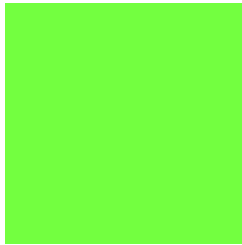
9.3560, 0.2539, 0.1173



0.9645, 0.2618, 0.1216

Previews

White Background



This preview shows how the Yxy color 75.5350, 0.3208, 0.5537 looks on a white background.

Color Contrast Check

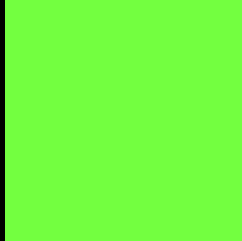
Large Text (above 18pt) WCAG AA × Fail

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 75.5350, 0.3208, 0.5537 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

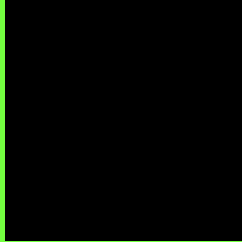
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

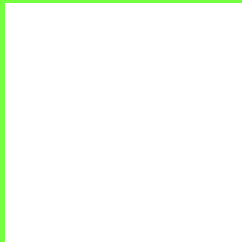
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 75.5350, 0.3208, 0.5537

Background



This preview shows how black text looks on a background with the Yxy color 75.5350, 0.3208, 0.5537.

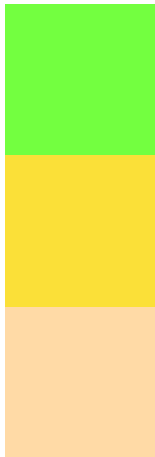


This preview shows how white text looks on a background with the Yxy color 75.5350, 0.3208, 0.5537.

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

75.5350, 0.3208, 0.5537

Protanopia

74.1061, 0.4311, 0.4758

Deuteranopia

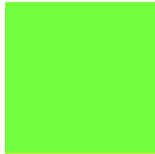
74.1560, 0.3775, 0.3825



Tritanopia

74.9565, 0.2561, 0.3085

Trichromacy



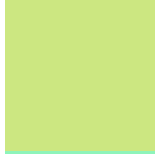
Original Color

75.5350, 0.3208, 0.5537



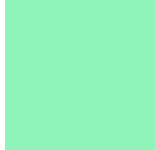
Protanomaly

72.2890, 0.3854, 0.5078



Deuteranomaly

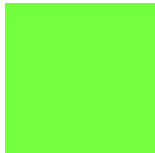
71.5742, 0.3577, 0.4457



Tritanomaly

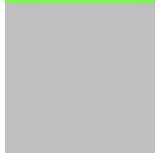
73.9973, 0.2841, 0.4014

Monochromacy



Original Color

75.5350, 0.3208, 0.5537



Achromatopsia

52.0996, 0.3127, 0.3290



Achromatomaly

57.9240, 0.3212, 0.4203

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.5350, 0.3208, 0.5537 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(115, 255, 64)` looks like.

```
.text, #text, p{  
    color:rgb(115, 255, 64)  
}
```

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(115, 255, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 255, 64) }
```

Border

The CSS property to change the border of an element to Yxy 75.5350, 0.3208, 0.5537 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(115, 255, 64) }
```

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

```
.border{ border-color:rgb(115, 255, 64) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 255, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 255, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 255, 64);  
box-shadow:4px 4px 4px 4px rgb(115, 255,  
64) }
```


Background

The CSS property to change the background color of an element to Yxy 75.5350, 0.3208, 0.5537 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 255, 64) }
```

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

```
.background{ background-color: rgb(115,  
255, 64) }
```

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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