

Converting Colors

$Y_{xy}(69.1376, 0.3283, 0.5658)$

Have a look what the booklet for
Yxy(69.1376, 0.3283, 0.5658)
contains.

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Color

Yxy(69.0832, 0.3280, 0.5657)

Conversions

Conversions Part 1

Format	Color
Hex	73F525
RGB	115, 245, 37
RGB Percent	45%, 96%, 15%
CMY	0.5491, 0.0392, 0.8545
CMYK	0.53, 0.00, 0.85, 0.04
HSL	98°, 91%, 55%
HSV	98°, 85%, 96%
XYZ	40.0553, 69.0832, 12.9813
YIQ	182.4180, -10.7120, -92.2480

Conversions

Conversions Part 2

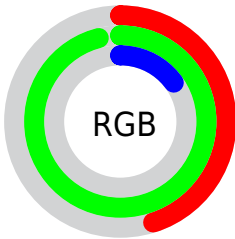
Format	Color
RYB	37, 245, 167
Decimal	7599397
CIELab	86.55, -67.14, 78.37
CIELCh	87, 103.194, 130.587
Yxy	69.0832, 0.3280, 0.5657
Android (android.graphics.Color)	4285789477 (0xFF73F525)
YUV	182.4180, -71.6911, -59.1256
Hunter-Lab	83.1163, -59.4310, 48.9213

Details

The Yxy color **69.0832, 0.3280, 0.5657** 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 **16.1535, 0.2416, 0.1179**, and the grayscale version is **47.4271, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.9845, 0.3441, 0.4983**, and **36.4176, 0.3076, 0.5940** is the 20% darker color. If you saturate the color by 10%, you get **68.0263, 0.3230, 0.5791**, and if you desaturate by 10%, it is **70.4218, 0.3314, 0.5458**.

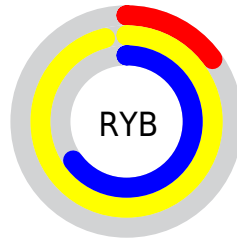
Distribution



Red (45%)

Green (96%)

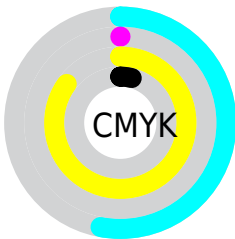
Blue (15%)



Red (15%)

Yellow (96%)

Blue (65%)

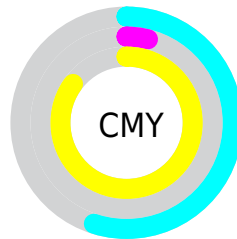


Cyan (53%)

Magenta (0%)

Yellow (85%)

Black (4%)



Cyan (55%)


Magenta (4%)


Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 69.0832, 0.3280, 0.5657 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 69.0832, 0.3280, 0.5657 by changing the saturation by 10% instead.


 69.0832, 0.3280,
0.5657


 69.0832, 0.3280,
0.5657


457.3244, 0.3319,
0.4498

 50.7795, 0.3235,
0.5916


 117.9004, 0.3321,
0.5254


 36.0331, 0.3160,
0.6225


 149.1827, 0.3329,
0.5097


 24.4598, 0.3034,
0.6592


 185.5599, 0.3332,
0.4961

 15.6750, 0.2853,
0.7088

 227.4165, 0.3332,
0.4843

 9.2945, 0.2487,
0.7513

 275.1368, 0.3330,
0.4740

 4.9338, 0.1949,
0.8051


329.1053, 0.3327,

 2.2085, 0.0441,


0.4650


0.9559

389.7064, 0.3323,
0.4569


 0.7246, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 69.0832, 0.3280,
0.5657


 69.0832, 0.3280,
0.5657


 68.0263, 0.3230,
0.5791


 70.4218, 0.3314,
0.5458

 67.5720, 0.3202,
0.5840


 72.0589, 0.3331,
0.5203

 74.0194, 0.3329,
0.4909


 76.3229, 0.3311,
0.4594

 78.9869, 0.3281,
0.4276

 82.0279, 0.3242,
0.3967

 85.4611, 0.3197,
0.3677

 89.3008, 0.3150,
0.3410

 93.3911, 0.3118,
0.3194

Harmonies

Analogous

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



69.0832, 0.4346, 0.5215



69.0832, 0.3280, 0.5657



69.0832, 0.2230, 0.4948

Triad

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



69.0832, 0.3280, 0.5657



69.0832, 0.1285, 0.1723



69.0832, 0.4988, 0.2824

Complementary

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



69.0832, 0.3280, 0.5657



16.1535, 0.2416, 0.1179

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.



69.0832, 0.3770, 0.2183



69.0832, 0.3280, 0.5657



69.0832, 0.1705, 0.1582

Square

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



69.0832, 0.3280, 0.5657



69.0832, 0.1206, 0.2278



69.0832, 0.2537, 0.1746



69.0832, 0.5518, 0.3558

Rectangle

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



69.0832, 0.3280, 0.5657



69.0832, 0.1688, 0.3942



69.0832, 0.2537, 0.1746



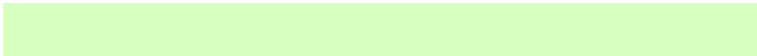
69.0832, 0.4629, 0.2595

Sweetspot

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



69.0861, 0.3280, 0.5657



89.7589, 0.3243, 0.3973



46.5708, 0.4854, 0.4389



18.9515, 0.3257, 0.4080



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.



69.0861, 0.3280, 0.5657



73.9802, 0.3200, 0.5841



66.0449, 0.2962, 0.5707



18.7743, 0.3172, 0.3531



36.4728, 0.3213, 0.5831



3.2623, 0.3309, 0.5754

Inverse Universe

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



16.1535, 0.2416, 0.1179



14.6413, 0.2272, 0.1025



25.9507, 0.3473, 0.1755



16.4402, 0.3078, 0.3052



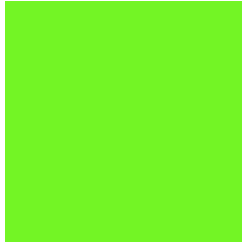
7.2940, 0.2288, 0.1034



0.6996, 0.2403, 0.1097

Previews

White Background



This preview shows how the Yxy color 69.0832, 0.3280, 0.5657 looks on a white background.

Color Contrast Check

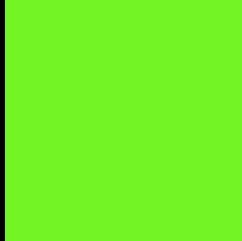
Large Text (above 18pt) WCAG AA × Fail

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 69.0832, 0.3280, 0.5657 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

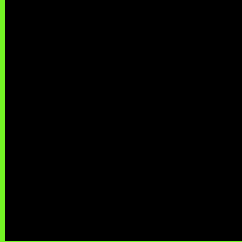
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

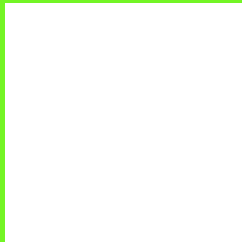
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 69.0832, 0.3280, 0.5657

Background



This preview shows how black text looks on a background with the Yxy color 69.0832, 0.3280, 0.5657.

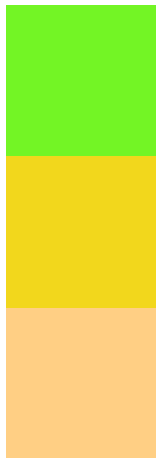


This preview shows how white text looks on a background with the Yxy color 69.0832, 0.3280, 0.5657.

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

69.0832, 0.3280, 0.5657

Protanopia

67.5620, 0.4379, 0.4839

Deuteranopia

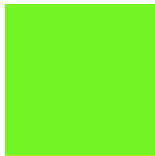
67.5516, 0.4065, 0.4055



Tritanopia

68.5302, 0.2549, 0.3077

Trichromacy



Original Color

69.0832, 0.3280, 0.5657



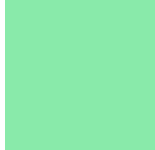
Protanomaly

66.2274, 0.3927, 0.5179



Deuteranomaly

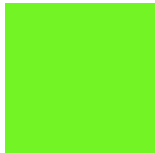
65.4133, 0.3794, 0.4690



Tritanomaly

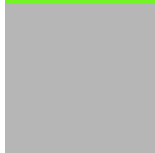
67.0663, 0.2891, 0.4126

Monochromacy



Original Color

69.0832, 0.3280, 0.5657



Achromatopsia

46.7784, 0.3127, 0.3290



Achromatomaly

52.5167, 0.3291, 0.4333

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.0832, 0.3280, 0.5657 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, 245, 37)` looks like.

```
.text, #text, p{  
    color:rgb(115, 245, 37)  
}
```

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, 245, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 245, 37) }
```

Border

The CSS property to change the border of an element to Yxy 69.0832, 0.3280, 0.5657 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, 245, 37) }
```

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

```
.border{ border-color:rgb(115, 245, 37) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 245, 37)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 245, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 245, 37);  
box-shadow:4px 4px 4px 4px rgb(115, 245,  
37) }
```


Background

The CSS property to change the background color of an element to Yxy 69.0832, 0.3280, 0.5657 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 245, 37) }
```

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

```
.background{ background-color: rgb(115,  
245, 37) }
```

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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