

Converting Colors

$Y_{xy}(60.6977, 0.3375, 0.5598)$

Have a look what the booklet for
Yxy(60.6977, 0.3375, 0.5598)
contains.

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Color

Yxy(60.9089, 0.3375, 0.5597)

Conversions

Conversions Part 1

Format	Color
Hex	7BE620
RGB	123, 230, 32
RGB Percent	48%, 90%, 13%
CMY	0.5176, 0.0980, 0.8745
CMYK	0.47, 0.00, 0.86, 0.10
HSL	92°, 80%, 51%
HSV	92°, 86%, 90%
XYZ	36.7282, 60.9089, 11.1871
YIQ	175.4350, -0.2140, -84.2620

Conversions

Conversions Part 2

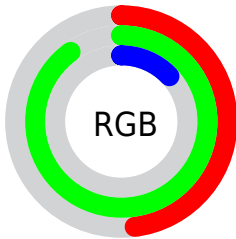
Format	Color
R_{YB}	32, 230, 139
Decimal	8119840
CIE _{Lab}	82.33, -59.65, 75.86
CIE _{LCh}	82, 96.503, 128.178
Yxy	60.9089, 0.3375, 0.5597
Android (android.graphics.Color)	4286309920 (0xFF7BE620)
YUV	175.4350, -70.7135, -45.9855
Hunter-Lab	78.0442, -52.5738, 46.1321

Details

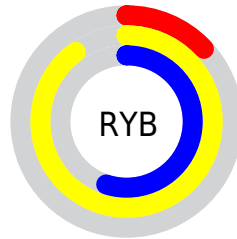
The Yxy color **60.9089, 0.3375, 0.5597** is a dark color, and the websafe version is hex **99FF33**. The color can be described as dark washed chartreuse. A complement of this color would be **12.2350, 0.2241, 0.1077**, and the grayscale version is **43.4859, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.6112, 0.3500, 0.5004**, and **30.7867, 0.3176, 0.5860** is the 20% darker color. If you saturate the color by 10%, you get **59.9676, 0.3325, 0.5721**, and if you desaturate by 10%, it is **62.0588, 0.3406, 0.5413**.

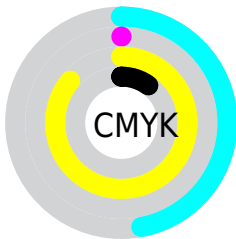
Distribution



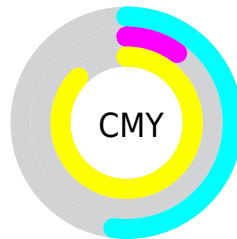
- Red (48%)
- Green (90%)
- Blue (13%)



- Red (13%)
- Yellow (90%)
- Blue (55%)



- Cyan (47%)
- Magenta (0%)
- Yellow (86%)
- Black (10%)





- Cyan (52%)
- Magenta (10%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 60.9089, 0.3375, 0.5597 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 60.9089, 0.3375, 0.5597 by changing the saturation by 10% instead.

 60.9089, 0.3375,
0.5597

 60.9089, 0.3375,
0.5597


427.9399, 0.3366,
0.4452

 44.1517, 0.3338,
0.5856


 106.1470, 0.3401,
0.5197

 30.7897, 0.3270,
0.6165


 135.3967, 0.3402,
0.5040


 20.4388, 0.3148,
0.6531


 169.5793, 0.3399,
0.4907

 12.7144, 0.2967,
0.7033

 209.0792, 0.3394,
0.4791

 7.2322, 0.2568,
0.7432

 254.2808, 0.3388,
0.4690

 3.6077, 0.1987,
0.8013

 305.5685, 0.3381,

 1.4566, 0.0000,

0.4601

1.0000

363.3268, 0.3373,
0.4522

■ 0.2579, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 60.9089, 0.3375,
0.5597

■ 60.9089, 0.3375,
0.5597

■ 59.9676, 0.3325,
0.5721

■ 62.0588, 0.3406,
0.5413

■ 59.6420, 0.3303,
0.5759


■ 63.4293, 0.3416,
0.5176


■ 65.0394, 0.3406,
0.4900

■ 66.9039, 0.3377,
0.4601

 69.0357, 0.3335,
0.4294

 71.4471, 0.3283,
0.3993

 74.1492, 0.3225,
0.3707

 77.1527, 0.3164,
0.3441

 80.4674, 0.3103,
0.3198

Harmonies

Analogous

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



60.9089, 0.4412, 0.5124



60.9089, 0.3375, 0.5597



60.9089, 0.2331, 0.5001

Triad

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



60.9089, 0.3375, 0.5597



60.9089, 0.1298, 0.1780



60.9089, 0.4866, 0.2782

Complementary

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



60.9089, 0.3375, 0.5597



12.2350, 0.2241, 0.1077

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.



60.9089, 0.3652, 0.2162



60.9089, 0.3375, 0.5597



60.9089, 0.1685, 0.1611

Square

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



60.9089, 0.3375, 0.5597



60.9089, 0.1248, 0.2372



60.9089, 0.2470, 0.1750



60.9089, 0.5457, 0.3504

Rectangle

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



60.9089, 0.3375, 0.5597



60.9089, 0.1774, 0.4051



60.9089, 0.2470, 0.1750



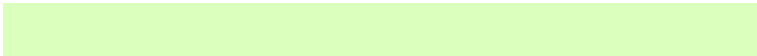
60.9089, 0.4500, 0.2559

Sweetspot

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



60.9115, 0.3375, 0.5597



90.2685, 0.3283, 0.3995



34.9917, 0.5062, 0.4225



19.0854, 0.3302, 0.4099



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.



60.9115, 0.3375, 0.5597



75.3169, 0.3299, 0.5762



57.0458, 0.2996, 0.5842



16.4121, 0.3185, 0.3528



33.8363, 0.3315, 0.5750



2.5551, 0.3428, 0.5660

Inverse Universe

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



12.2350, 0.2241, 0.1077



12.6049, 0.2085, 0.0922



23.2063, 0.3280, 0.1636



14.2688, 0.3065, 0.3053



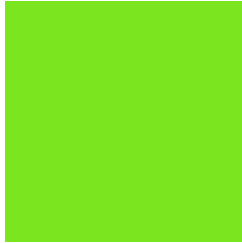
5.7457, 0.2106, 0.0934



0.4797, 0.2259, 0.1018

Previews

White Background



This preview shows how the Yxy color 60.9089, 0.3375, 0.5597 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 60.9089, 0.3375, 0.5597 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

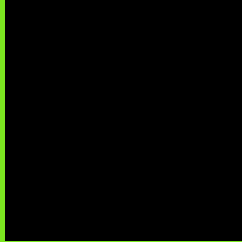
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 60.9089, 0.3375, 0.5597

Background



This preview shows how black text looks on a background with the Yxy color 60.9089, 0.3375, 0.5597.



This preview shows how white text looks on a background with the Yxy color 60.9089, 0.3375, 0.5597.

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

60.9089, 0.3375, 0.5597

Protanopia

59.9097, 0.4376, 0.4849

Deuteranopia

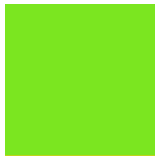
59.7157, 0.4585, 0.4481



Tritanopia

60.5381, 0.2616, 0.3080

Trichromacy



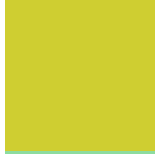
Original Color

60.9089, 0.3375, 0.5597



Protanomaly

58.6148, 0.3974, 0.5150



Deuteranomaly

57.6298, 0.4117, 0.4906



Tritanomaly

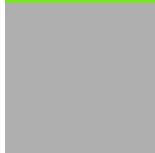
59.3523, 0.2971, 0.4116

Monochromacy



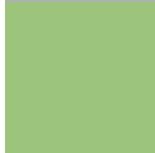
Original Color

60.9089, 0.3375, 0.5597



Achromatopsia

42.8690, 0.3127, 0.3290



Achromatomaly

47.5282, 0.3336, 0.4309

CSS Examples

Text

The CSS property to change the color of the text to Yxy 60.9089, 0.3375, 0.5597 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(123, 230, 32)` looks like.

```
.text, #text, p{  
    color:rgb(123, 230, 32)  
}
```

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(123, 230, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 230, 32) }
```

Border

The CSS property to change the border of an element to Yxy 60.9089, 0.3375, 0.5597 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(123, 230, 32) }
```

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

```
.border{ border-color:rgb(123, 230, 32) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 230, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 230, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 230, 32);  
box-shadow:4px 4px 4px 4px rgb(123, 230,  
32) }
```


Background

The CSS property to change the background color of an element to Yxy 60.9089, 0.3375, 0.5597 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 230, 32) }
```

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

```
.background{ background-color: rgb(123,  
230, 32) }
```

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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