

Converting Colors

$Yxy(27.3424, 0.3170, 0.5823)$

Have a look what the booklet for
Yxy(27.3424, 0.3170, 0.5823)
contains.

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Color

Yxy(27.3807, 0.3169, 0.5825)

Conversions

Conversions Part 1

Format	Color
Hex	37A408
RGB	55, 164, 8
RGB Percent	22%, 64%, 3%
CMY	0.7842, 0.3569, 0.9687
CMYK	0.66, 0.00, 0.95, 0.36
HSL	102°, 91%, 34%
HSV	102°, 95%, 64%
XYZ	14.8960, 27.3807, 4.7288
YIQ	113.6250, -14.8880, -71.6240

Conversions

Conversions Part 2

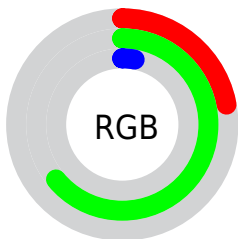
Format	Color
RYB	8, 164, 117
Decimal	3646472
CIELab	59.33, -55.10, 59.57
CIElCh	59, 81.147, 132.768
Yxy	27.3807, 0.3169, 0.5825
Android (android.graphics.Color)	4281836552 (0xFF37A408)
YUV	113.6250, -52.0731, -51.4141
Hunter-Lab	52.3266, -40.7571, 31.2706

Details

The Yxy color **27.3807, 0.3169, 0.5825** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **6.6323, 0.2503, 0.1176**, and the grayscale version is **16.8738, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.4901, 0.3246, 0.5261**, and **11.3689, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **27.2156, 0.3148, 0.5882**, and if you desaturate by 10%, it is **27.7940, 0.3213, 0.5679**.

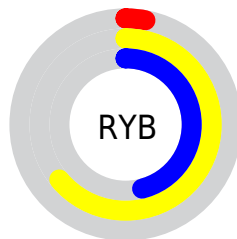
Distribution



Red (22%)

Green (64%)

Blue (3%)



Red (3%)

Yellow (64%)

Blue (46%)

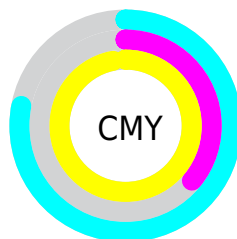


Cyan (66%)

Magenta (0%)

Yellow (95%)

Black (36%)



Cyan (78%)


Magenta (36%)

Yellow (97%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.3807, 0.3169, 0.5825 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 27.3807, 0.3169, 0.5825 by changing the saturation by 10% instead.

 27.3807, 0.3169,
0.5825


 27.3807, 0.3169,
0.5825


289.4957, 0.3267,
0.4375


 17.8593, 0.3075,
0.6217


 55.4942, 0.3249,
0.5265

 10.8491, 0.2910,
0.6733


 74.8551, 0.3264,
0.5063

 5.9654, 0.2602,
0.7398

 98.2646, 0.3272,
0.4897

 2.8241, 0.1960,
0.8040

 126.1072, 0.3274,
0.4757

 1.0406, 0.0000,
1.0000

 158.7672, 0.3274,
0.4639

 0.0000, 0.0000,
0.0000


 196.6290, 0.3273,


0.4539


 240.0771, 0.3270,
0.4451


 27.3807, 0.3169,
0.5825


 27.3807, 0.3169,
0.5825


 27.2156, 0.3148,
0.5882

 27.7940, 0.3213,
0.5679

 28.3270, 0.3245,
0.5469

 28.9920, 0.3263,
0.5205

 29.7981, 0.3267,
0.4904

 30.7539, 0.3257,
0.4587

■ 31.8670, 0.3238,
0.4268

■ 33.1445, 0.3211,
0.3962

■ 34.5931, 0.3179,
0.3676

■ 36.2190, 0.3145,
0.3414

Harmonies

Analogous

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



27.3807, 0.4294, 0.5358



27.3807, 0.3169, 0.5825



27.3807, 0.2088, 0.4979

Triad

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



27.3807, 0.3169, 0.5825



27.3807, 0.1220, 0.1616



27.3807, 0.5186, 0.2836

Complementary

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



27.3807, 0.3169, 0.5825



6.6323, 0.2503, 0.1176

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.



27.3807, 0.3911, 0.2165



27.3807, 0.3169, 0.5825



27.3807, 0.1678, 0.1503

Square

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



27.3807, 0.3169, 0.5825



27.3807, 0.1110, 0.2144



27.3807, 0.2578, 0.1695



27.3807, 0.5661, 0.3593

Rectangle

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



27.3807, 0.3169, 0.5825



27.3807, 0.1549, 0.3858



27.3807, 0.2578, 0.1695



27.3807, 0.4820, 0.2599

Sweetspot

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



27.3819, 0.3169, 0.5825



59.1012, 0.3224, 0.4095



20.0795, 0.4818, 0.4513



12.7194, 0.3234, 0.4220



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



27.3819, 0.3169, 0.5825



49.3044, 0.3137, 0.5891



26.7337, 0.2941, 0.5738



7.9938, 0.3160, 0.3519



20.8897, 0.3154, 0.5878



0.4625, 0.3438, 0.5653

Inverse Universe

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



6.6323, 0.2503, 0.1176



11.3120, 0.2452, 0.1124



9.8264, 0.3697, 0.1835



7.0945, 0.3092, 0.3065



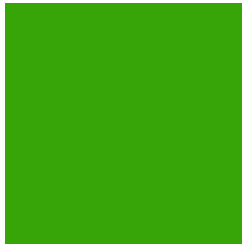
4.8519, 0.2472, 0.1136



0.1248, 0.2753, 0.1290

Previews

White Background



This preview shows how the Yxy color 27.3807, 0.3169, 0.5825 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 27.3807, 0.3169, 0.5825 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 × Fail

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

Yxy 27.3807, 0.3169, 0.5825

Background



This preview shows how black text looks on a background with the Yxy color 27.3807, 0.3169, 0.5825.



This preview shows how white text looks on a background with the Yxy color 27.3807, 0.3169, 0.5825.

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

27.3807, 0.3169, 0.5825

Protanopia

26.8196, 0.4403, 0.4886

Deuteranopia

26.9143, 0.4586, 0.4517



Tritanopia

27.1515, 0.2464, 0.3061

Trichromacy



Original Color

27.3807, 0.3169, 0.5825



Protanomaly

25.9568, 0.3867, 0.5297



Deuteranomaly

25.6145, 0.3982, 0.5068



Tritanomaly

26.3555, 0.2813, 0.4237

Monochromacy



Original Color

27.3807, 0.3169, 0.5825



Achromatopsia

16.8269, 0.3127, 0.3290



Achromatomaly

19.3377, 0.3262, 0.4495

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.3807, 0.3169, 0.5825 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(55, 164, 8)` looks like.

```
.text, #text, p{  
    color:rgb(55, 164, 8)  
}
```

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(55, 164, 8) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 164, 8) }
```

Border

The CSS property to change the border of an element to Yxy 27.3807, 0.3169, 0.5825 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(55, 164, 8) }
```

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

```
.border{ border-color:rgb(55, 164, 8) }
```

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

Here you see how a box with a 4 pixel `rgb(55, 164, 8)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 164, 8); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 164, 8);  
box-shadow:4px 4px 4px 4px rgb(55, 164, 8)  
}
```


Background

The CSS property to change the background color of an element to Yxy 27.3807, 0.3169, 0.5825 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 164, 8) }
```

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

```
.background{ background-color: rgb(55, 164,  
8) }
```

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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