

Converting Colors

$Yxy(27.8125, 0.3089, 0.5448)$

Have a look what the booklet for
Yxy(27.8125, 0.3089, 0.5448)
contains.

Yxy(27.7648, 0.3092, 0.5449)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(27.7648, 0.3092, 0.5449)

Conversions

Conversions Part 1

Format	Color
Hex	3DA431
RGB	61, 164, 49
RGB Percent	24%, 64%, 19%
CMY	0.7607, 0.3569, 0.8078
CMYK	0.63, 0.00, 0.70, 0.36
HSL	114°, 54%, 42%
HSV	114°, 70%, 64%
XYZ	15.7550, 27.7648, 7.4342
YIQ	120.0930, -24.4730, -57.6010

Conversions

Conversions Part 2

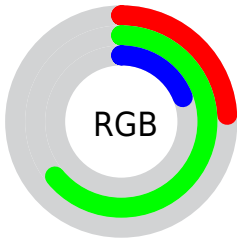
Format	Color
R_{YB}	49, 164, 152
Decimal	4039729
CIE _{Lab}	59.68, -51.53, 48.73
CIE _{LCh}	60, 70.922, 136.597
Yxy	27.7648, 0.3092, 0.5449
Android (android.graphics.Color)	4282229809 (0xFF3DA431)
YUV	120.0930, -35.0488, -51.8246
Hunter-Lab	52.6923, -38.8402, 28.5196

Details

The Yxy color **27.7648, 0.3092, 0.5449** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **11.5513, 0.3026, 0.1685**, and the grayscale version is **18.9358, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.1191, 0.3156, 0.4963**, and **11.3689, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **27.2477, 0.3071, 0.5697**, and if you desaturate by 10%, it is **28.4623, 0.3109, 0.5146**.

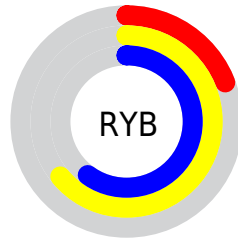
Distribution



Red (24%)

Green (64%)

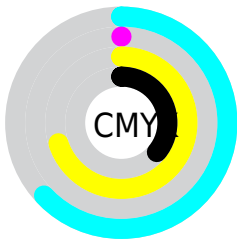
Blue (19%)



Red (19%)

Yellow (64%)

Blue (60%)

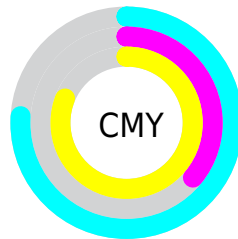


Cyan (63%)

Magenta (0%)

Yellow (70%)

Black (36%)



Cyan (76%)


Magenta (36%)

Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 27.7648, 0.3092, 0.5449 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 27.7648, 0.3092, 0.5449 by changing the saturation by 10% instead.

 27.7648, 0.3092,
0.5449


 27.7648, 0.3092,
0.5449


291.3413, 0.3189,
0.4201


 18.1484, 0.3022,
0.5809


 56.1087, 0.3156,
0.4956


 11.0566, 0.2894,
0.6288


 75.6051, 0.3171,
0.4782


 6.1049, 0.2712,
0.7091

 99.1635, 0.3180,
0.4640

 2.9090, 0.2183,
0.7817

 127.1685, 0.3185,
0.4522

 1.0844, 0.0000,
1.0000

 160.0043, 0.3188,
0.4423

 0.0000, 0.0000,
0.0000

 198.0555, 0.3189,

0.4338

241.7064, 0.3190,
0.4265

■ 27.7648, 0.3092,
0.5449

■ 27.7648, 0.3092,
0.5449

■ 27.2477, 0.3071,
0.5697

■ 28.4623, 0.3109,
0.5146

■ 26.8910, 0.3047,
0.5871

■ 29.3510, 0.3122,
0.4812

■ 26.6720, 0.3028,
0.5978

■ 30.4451, 0.3130,
0.4469

■ 31.7564, 0.3134,
0.4136

■ 33.2957, 0.3134,
0.3826

■ 35.0733, 0.3132,
0.3544

■ 37.0985, 0.3127,
0.3293

■ 39.3806, 0.3122,
0.3072

■ 41.9280, 0.3115,
0.2880

Harmonies

Analogous

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



27.7648, 0.4119, 0.5252



27.7648, 0.3092, 0.5449



27.7648, 0.2125, 0.4560

Triad

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



27.7648, 0.3092, 0.5449



27.7648, 0.1427, 0.1753



27.7648, 0.5031, 0.3000

Complementary

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



27.7648, 0.3092, 0.5449



11.5513, 0.3026, 0.1685

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.



27.7648, 0.3982, 0.2356



27.7648, 0.3092, 0.5449



27.7648, 0.1908, 0.1675

Square

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



27.7648, 0.3092, 0.5449



27.7648, 0.1288, 0.2202



27.7648, 0.2786, 0.1888



27.7648, 0.5376, 0.3725

Rectangle

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



27.7648, 0.3092, 0.5449



27.7648, 0.1657, 0.3618



27.7648, 0.2786, 0.1888



27.7648, 0.4739, 0.2773

Sweetspot

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



27.7660, 0.3092, 0.5449



60.0564, 0.3134, 0.3864



30.1144, 0.4179, 0.4685



12.9648, 0.3134, 0.3943



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.



27.7660, 0.3092, 0.5449



49.0703, 0.3058, 0.5802



27.9964, 0.2780, 0.4711



7.9288, 0.3131, 0.3521



20.4610, 0.3031, 0.5975



0.4398, 0.3165, 0.5869

Inverse Universe

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



11.5513, 0.3026, 0.1685



17.6808, 0.2988, 0.1494



11.4435, 0.3947, 0.2282



7.1644, 0.3122, 0.3067



6.8140, 0.2952, 0.1400



0.1532, 0.3052, 0.1455

Previews

White Background



This preview shows how the Yxy color 27.7648, 0.3092, 0.5449 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 27.7648, 0.3092, 0.5449 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 27.7648, 0.3092, 0.5449

Background



This preview shows how black text looks on a background with the Yxy color 27.7648, 0.3092, 0.5449.



This preview shows how white text looks on a background with the Yxy color 27.7648, 0.3092, 0.5449.

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

27.7648, 0.3092, 0.5449

Protanopia

27.2929, 0.4246, 0.4682

Deuteranopia

27.2712, 0.4405, 0.4333



Tritanopia

27.6103, 0.2474, 0.3063

Trichromacy



Original Color

27.7648, 0.3092, 0.5449



Protanomaly

26.6078, 0.3743, 0.5017



Deuteranomaly

25.9845, 0.3848, 0.4770



Tritanomaly

27.1637, 0.2724, 0.3941

Monochromacy



Original Color

27.7648, 0.3092, 0.5449



Achromatopsia

18.7821, 0.3127, 0.3290



Achromatomaly

21.0691, 0.3140, 0.4143

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.7648, 0.3092, 0.5449 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(61, 164, 49)` looks like.

```
.text, #text, p{  
    color:rgb(61, 164, 49)  
}
```

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(61, 164, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 164, 49) }
```

Border

The CSS property to change the border of an element to Yxy 27.7648, 0.3092, 0.5449 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(61, 164, 49) }
```

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

```
.border{ border-color:rgb(61, 164, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(61, 164, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 164, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 164, 49);  
box-shadow:4px 4px 4px 4px rgb(61, 164,  
49) }
```


Background

The CSS property to change the background color of an element to Yxy 27.7648, 0.3092, 0.5449 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 164, 49) }
```

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

```
.background{ background-color: rgb(61, 164,  
49) }
```

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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