

Converting Colors

$Y_{xy}(27.2727, 0.3056, 0.5094)$

Have a look what the booklet for
Yxy(27.2727, 0.3056, 0.5094)
contains.

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Color

Yxy(27.2092, 0.3056, 0.5097)

Conversions

Conversions Part 1

Format	Color
Hex	46A144
RGB	70, 161, 68
RGB Percent	27%, 63%, 27%
CMY	0.7255, 0.3686, 0.7334
CMYK	0.57, 0.00, 0.58, 0.37
HSL	119°, 41%, 45%
HSV	119°, 58%, 63%
XYZ	16.3138, 27.2092, 9.8598
YIQ	123.1890, -24.3830, -48.2150

Conversions

Conversions Part 2

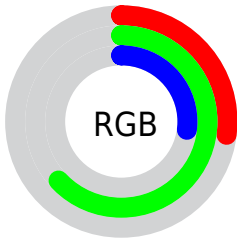
Format	Color
RYB	68, 161, 159
Decimal	4628804
CIELab	59.17, -46.13, 39.79
CIELCh	59, 60.916, 139.220
Yxy	27.2092, 0.3056, 0.5097
Android (android.graphics.Color)	4282818884 (0xFF46A144)
YUV	123.1890, -27.2082, -46.6468
Hunter-Lab	52.1624, -35.4585, 25.3066

Details

The Yxy color **27.2092, 0.3056, 0.5097** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **14.0781, 0.3162, 0.1952**, and the grayscale version is **19.9708, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.3932, 0.3105, 0.4681**, and **10.7656, 0.2945, 0.5804** is the 20% darker color. If you saturate the color by 10%, you get **26.5291, 0.3040, 0.5414**, and if you desaturate by 10%, it is **28.0993, 0.3072, 0.4752**.

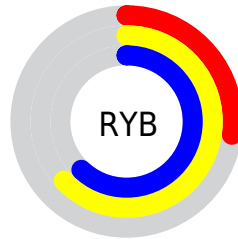
Distribution



Red (27%)

Green (63%)

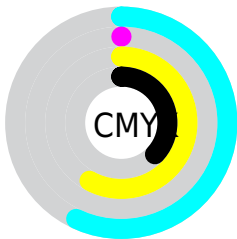
Blue (27%)



Red (27%)

Yellow (63%)

Blue (62%)

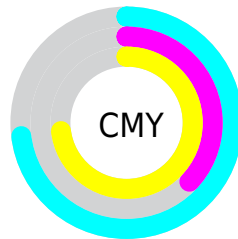


Cyan (57%)

Magenta (0%)

Yellow (58%)

Black (37%)



Cyan (73%)


Magenta (37%)


Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.2092, 0.3056, 0.5097 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 27.2092, 0.3056, 0.5097 by changing the saturation by 10% instead.


 27.2092, 0.3056,
0.5097


 27.2092, 0.3056,
0.5097


288.6686, 0.3147,
0.4047


 17.7304, 0.3002,
0.5410


 55.2194, 0.3108,
0.4678

 10.7566, 0.2907,
0.5841


 74.5196, 0.3122,
0.4532


 5.9034, 0.2730,
0.6465


 97.8623, 0.3130,
0.4413

 2.7864, 0.2424,
0.7576

 125.6320, 0.3136,
0.4315

 1.0213, 0.0000,
1.0000

 158.2131, 0.3140,
0.4232

 0.0000, 0.0000,
0.0000

195.9900, 0.3143,

0.4161

239.3470, 0.3145,
0.4100

■ 27.2092, 0.3056,
0.5097

■ 27.2092, 0.3056,
0.5097

■ 26.5291, 0.3040,
0.5414

■ 28.0993, 0.3072,
0.4752

■ 26.0386, 0.3026,
0.5677

■ 29.2109, 0.3086,
0.4402

■ 25.7195, 0.3014,
0.5865

■ 30.5588, 0.3099,
0.4067

■ 25.5439, 0.3006,
0.5975

■ 32.1555, 0.3111,
0.3759

■ 25.5134, 0.3005,
0.5996

■ 34.0126, 0.3121,
0.3482

■ 36.1410, 0.3129,
0.3238

■ 38.5510, 0.3136,
0.3026

■ 41.2525, 0.3141,
0.2843

■ 44.2545, 0.3145,
0.2686

Harmonies

Analogous

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



27.2092, 0.3979, 0.5071



27.2092, 0.3056, 0.5097



27.2092, 0.2200, 0.4271

Triad

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



27.2092, 0.3056, 0.5097



27.2092, 0.1625, 0.1903



27.2092, 0.4835, 0.3116

Complementary

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



27.2092, 0.3056, 0.5097



14.0781, 0.3162, 0.1952

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.



27.2092, 0.3968, 0.2511



27.2092, 0.3056, 0.5097



27.2092, 0.2102, 0.1847

Square

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



27.2092, 0.3056, 0.5097



27.2092, 0.1473, 0.2296



27.2092, 0.2923, 0.2063



27.2092, 0.5103, 0.3793

Rectangle

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



27.2092, 0.3056, 0.5097



27.2092, 0.1791, 0.3488



27.2092, 0.2923, 0.2063



27.2092, 0.4598, 0.2903

Sweetspot

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



27.2103, 0.3056, 0.5097



57.7239, 0.3111, 0.3746



32.4155, 0.3958, 0.4590



12.5352, 0.3109, 0.3800



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



27.2103, 0.3056, 0.5097



47.2560, 0.3037, 0.5487



27.8763, 0.2752, 0.4257



7.9020, 0.3119, 0.3522



20.3781, 0.3006, 0.5995



0.4302, 0.3035, 0.5972

Inverse Universe

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



14.0781, 0.3162, 0.1952



21.4893, 0.3163, 0.1750



13.0097, 0.3886, 0.2526



7.1944, 0.3134, 0.3068



7.8254, 0.3157, 0.1513



0.1667, 0.3177, 0.1524

Previews

White Background



This preview shows how the Yxy color 27.2092, 0.3056, 0.5097 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 27.2092, 0.3056, 0.5097 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

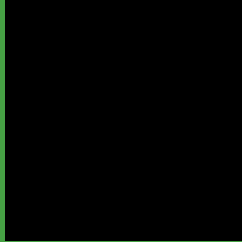
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.2092, 0.3056, 0.5097

Background



This preview shows how black text looks on a background with the Yxy color 27.2092, 0.3056, 0.5097.



This preview shows how white text looks on a background with the Yxy color 27.2092, 0.3056, 0.5097.

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

27.2092, 0.3056, 0.5097

Protanopia

26.8619, 0.4091, 0.4495

Deuteranopia

26.7202, 0.4227, 0.4157



Tritanopia

27.0529, 0.2515, 0.3079

Trichromacy



Original Color

27.2092, 0.3056, 0.5097

Protanomaly

26.2250, 0.3646, 0.4750

Deuteranomaly

25.6486, 0.3742, 0.4507

Tritanomaly

26.8860, 0.2724, 0.3800

Monochromacy



Original Color

27.2092, 0.3056, 0.5097

Achromatopsia

19.8069, 0.3127, 0.3290

Achromatomaly

21.8136, 0.3106, 0.3962

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.2092, 0.3056, 0.5097 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(70, 161, 68)` looks like.

```
.text, #text, p{  
    color:rgb(70, 161, 68)  
}
```

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(70, 161, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 161, 68) }
```

Border

The CSS property to change the border of an element to Yxy 27.2092, 0.3056, 0.5097 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(70, 161, 68) }
```

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

```
.border{ border-color:rgb(70, 161, 68) }
```

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

Here you see how a box with a 4 pixel rgb(70, 161, 68) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 161, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 161, 68);  
box-shadow:4px 4px 4px 4px rgb(70, 161,  
68) }
```


Background

The CSS property to change the background color of an element to Yxy 27.2092, 0.3056, 0.5097 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 161, 68) }
```

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

```
.background{ background-color: rgb(70, 161,  
68) }
```

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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