

Converting Colors

$Y_{xy}(30.1023, 0.2970, 0.5130)$

Have a look what the booklet for
Yxy(30.1023, 0.2970, 0.5130)
contains.

Yxy(30.2226, 0.2969, 0.5128)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(30.2226, 0.2969, 0.5128)

Conversions

Conversions Part 1

Format	Color
Hex	3DAA49
RGB	61, 170, 73
RGB Percent	24%, 67%, 29%
CMY	0.7611, 0.3333, 0.7137
CMYK	0.64, 0.00, 0.57, 0.33
HSL	127°, 47%, 45%
HSV	127°, 64%, 67%
XYZ	17.4982, 30.2226, 11.2156
YIQ	126.3510, -33.8270, -53.2750

Conversions

Conversions Part 2

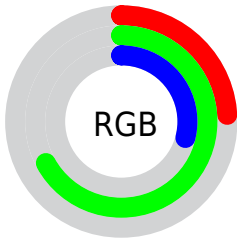
Format	Color
RYB	61, 159, 170
Decimal	4041289
CIELab	61.85, -51.10, 40.46
CIELCh	62, 65.184, 141.628
Yxy	30.2226, 0.2969, 0.5128
Android (android.graphics.Color)	4282231369 (0xFF3DAA49)
YUV	126.3510, -26.3020, -57.3128
Hunter-Lab	54.9751, -39.3910, 26.3867

Details

The Yxy color **30.2226, 0.2969, 0.5128** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **14.3419, 0.3365, 0.1977**, and the grayscale version is **21.0834, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.8410, 0.3038, 0.4712**, and **12.7805, 0.2935, 0.5765** is the 20% darker color. If you saturate the color by 10%, you get **29.5912, 0.2961, 0.5418**, and if you desaturate by 10%, it is **31.0762, 0.2984, 0.4811**.

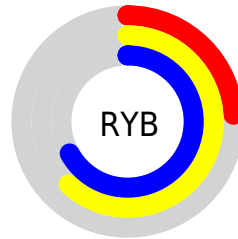
Distribution



Red (24%)

Green (67%)

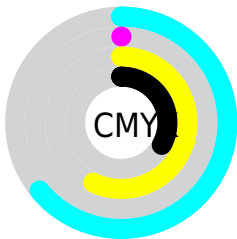
Blue (29%)



Red (24%)

Yellow (62%)

Blue (67%)

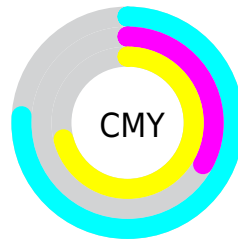


Cyan (64%)

Magenta (0%)

Yellow (57%)

Black (33%)



Cyan (76%)


Magenta (33%)


Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 30.2226, 0.2969, 0.5128 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 30.2226, 0.2969, 0.5128 by changing the saturation by 10% instead.


 30.2226, 0.2969,
0.5128


 30.2226, 0.2969,
0.5128


302.9407, 0.3107,
0.4072


 20.0076, 0.2905,
0.5438


 60.0140, 0.3038,
0.4709

 12.4006, 0.2800,
0.5861


 80.3593, 0.3058,
0.4563

 7.0171, 0.2612,
0.6458


 104.8500, 0.3072,
0.4443

 3.4728, 0.2354,
0.7646

 133.8707, 0.3083,
0.4343

 1.3833, 0.0000,
1.0000

 167.8057, 0.3091,
0.4259

 0.2043, 0.0000,
1.0000

207.0395, 0.3097,

 0.0000, 0.0000,

0.4188

0.0000

251.9563, 0.3103,
0.4126

■ 30.2226, 0.2969,
0.5128

■ 30.2226, 0.2969,
0.5128

■ 29.5912, 0.2961,
0.5418

■ 31.0762, 0.2984,
0.4811

■ 29.1578, 0.2963,
0.5661

■ 32.1660, 0.3006,
0.4487

■ 28.8994, 0.2972,
0.5840

■ 33.5094, 0.3032,
0.4174

■ 28.7996, 0.2976,
0.5914

■ 35.1209, 0.3059,
0.3881

■ 37.0142, 0.3088,
0.3616

■ 39.2017, 0.3116,
0.3380

■ 41.6953, 0.3143,
0.3173

■ 44.5062, 0.3168,
0.2992

■ 47.6450, 0.3191,
0.2836

Harmonies

Analogous

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



30.2226, 0.3920, 0.5154



30.2226, 0.2969, 0.5128



30.2226, 0.2110, 0.4211

Triad

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



30.2226, 0.2969, 0.5128



30.2226, 0.1613, 0.1850



30.2226, 0.4939, 0.3158

Complementary

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



30.2226, 0.2969, 0.5128



14.3419, 0.3365, 0.1977

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.



30.2226, 0.4080, 0.2534



30.2226, 0.2969, 0.5128



30.2226, 0.2127, 0.1818

Square

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



30.2226, 0.2969, 0.5128



30.2226, 0.1432, 0.2216



30.2226, 0.2996, 0.2060



30.2226, 0.5152, 0.3852

Rectangle

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



30.2226, 0.2969, 0.5128



30.2226, 0.1713, 0.3395



30.2226, 0.2996, 0.2060



30.2226, 0.4711, 0.2939

Sweetspot

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



30.2239, 0.2969, 0.5128



65.3063, 0.3073, 0.3750



36.4705, 0.3892, 0.4806



14.3553, 0.3065, 0.3825



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



30.2239, 0.2969, 0.5128



53.3090, 0.2961, 0.5528



31.2587, 0.2636, 0.4103



8.4208, 0.3102, 0.3497



21.1870, 0.2973, 0.5903



0.5195, 0.2868, 0.5526

Inverse Universe

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



14.3419, 0.3365, 0.1977



22.1838, 0.3425, 0.1807



12.8868, 0.4301, 0.2668



7.6521, 0.3154, 0.3092



7.9391, 0.3504, 0.1704



0.1971, 0.3395, 0.1644

Previews

White Background



This preview shows how the Yxy color 30.2226, 0.2969, 0.5128 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 30.2226, 0.2969, 0.5128 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 30.2226, 0.2969, 0.5128

Background



This preview shows how black text looks on a background with the Yxy color 30.2226, 0.2969, 0.5128.



This preview shows how white text looks on a background with the Yxy color 30.2226, 0.2969, 0.5128.

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

30.2226, 0.2969, 0.5128

Protanopia

29.8876, 0.4090, 0.4486

Deuteranopia

29.4676, 0.4210, 0.4126



Tritanopia

30.2334, 0.2451, 0.3070

Trichromacy



Original Color

30.2226, 0.2969, 0.5128



Protanomaly

29.0556, 0.3586, 0.4761



Deuteranomaly

28.3249, 0.3655, 0.4517



Tritanomaly

29.9768, 0.2641, 0.3782

Monochromacy



Original Color

30.2226, 0.2969, 0.5128



Achromatopsia

20.8637, 0.3127, 0.3290



Achromatomaly

23.2323, 0.3044, 0.3972

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.2226, 0.2969, 0.5128 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, 170, 73)` looks like.

```
.text, #text, p{  
    color:rgb(61, 170, 73)  
}
```

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, 170, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 170, 73) }
```

Border

The CSS property to change the border of an element to Yxy 30.2226, 0.2969, 0.5128 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, 170, 73) }
```

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

```
.border{ border-color:rgb(61, 170, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(61, 170, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 170, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 170, 73);  
box-shadow:4px 4px 4px 4px rgb(61, 170,  
73) }
```


Background

The CSS property to change the background color of an element to Yxy 30.2226, 0.2969, 0.5128 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 170, 73) }
```

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

```
.background{ background-color: rgb(61, 170,  
73) }
```

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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