

Converting Colors

$Y_{xy}(30.9699, 0.3166, 0.5362)$

Have a look what the booklet for
Yxy(30.9699, 0.3166, 0.5362)
contains.

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Color

Yxy(30.9699, 0.3166, 0.5362)

Conversions

Conversions Part 1

Format	Color
Hex	4DAB36
RGB	77, 171, 54
RGB Percent	30%, 67%, 21%
CMY	0.6982, 0.3294, 0.7883
CMYK	0.55, 0.00, 0.68, 0.33
HSL	108°, 52%, 44%
HSV	108°, 68%, 67%
XYZ	18.2862, 30.9699, 8.5020
YIQ	129.5560, -18.4670, -56.3150

Conversions

Conversions Part 2

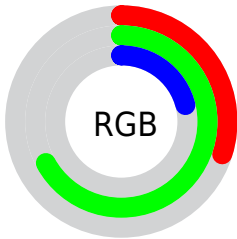
Format	Color
RYB	54, 171, 148
Decimal	5090102
CIELab	62.48, -49.64, 49.83
CIELCh	62, 70.336, 134.890
Yxy	30.9699, 0.3166, 0.5362
Android (android.graphics.Color)	4283280182 (0xFF4DAB36)
YUV	129.5560, -37.2491, -46.0916
Hunter-Lab	55.6506, -38.7353, 29.8974

Details

The Yxy color **30.9699, 0.3166, 0.5362** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **11.8776, 0.2882, 0.1638**, and the grayscale version is **22.2930, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.0680, 0.3206, 0.4901**, and **12.9569, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **30.3256, 0.3142, 0.5617**, and if you desaturate by 10%, it is **31.7940, 0.3181, 0.5059**.

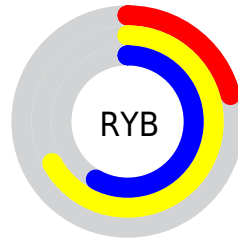
Distribution



Red (30%)

Green (67%)

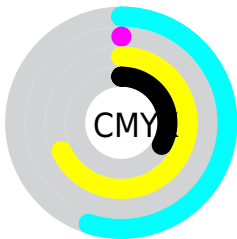
Blue (21%)



Red (21%)

Yellow (67%)

Blue (58%)

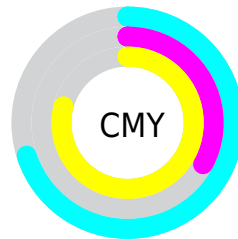


Cyan (55%)

Magenta (0%)

Yellow (68%)

Black (33%)



Cyan (70%)


Magenta (33%)


Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.9699, 0.3166, 0.5362 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 30.9699, 0.3166, 0.5362 by changing the saturation by 10% instead.

 30.9699, 0.3166,
0.5362


 30.9699, 0.3166,
0.5362


306.3996, 0.3219,
0.4188

 20.5759, 0.3113,
0.5691


 61.1927, 0.3211,
0.4906


 12.8144, 0.3014,
0.6123


 81.7903, 0.3219,
0.4742


 7.3008, 0.2846,
0.6755


 106.5579, 0.3223,
0.4608

 3.6510, 0.2464,
0.7536

 135.8799, 0.3224,
0.4496

 1.4803, 0.0642,
0.9358

 170.1406, 0.3224,
0.4401

 0.2748, 0.0000,
1.0000

 209.7246, 0.3223,

 0.0000, 0.0000,

0.4320

0.0000

255.0161, 0.3221,
0.4250

■ 30.9699, 0.3166,
0.5362

■ 30.9699, 0.3166,
0.5362

■ 30.3256, 0.3142,
0.5617

■ 31.7940, 0.3181,
0.5059

■ 29.8435, 0.3109,
0.5807

■ 32.8065, 0.3186,
0.4731

■ 29.5051, 0.3074,
0.5929

■ 34.0197, 0.3183,
0.4398

■ 29.4618, 0.3069,
0.5945

■ 35.4441, 0.3174,
0.4075

■ 37.0891, 0.3160,
0.3774

■ 38.9637, 0.3143,
0.3499

■ 41.0764, 0.3124,
0.3253

■ 43.4353, 0.3105,
0.3036

■ 46.0479, 0.3085,
0.2845

Harmonies

Analogous

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



30.9699, 0.4155, 0.5154



30.9699, 0.3166, 0.5362



30.9699, 0.2217, 0.4569

Triad

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



30.9699, 0.3166, 0.5362



30.9699, 0.1464, 0.1821



30.9699, 0.4908, 0.2981

Complementary

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



30.9699, 0.3166, 0.5362



11.8776, 0.2882, 0.1638

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.



30.9699, 0.3881, 0.2359



30.9699, 0.3166, 0.5362



30.9699, 0.1915, 0.1723

Square

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



30.9699, 0.3166, 0.5362



30.9699, 0.1349, 0.2288



30.9699, 0.2745, 0.1915



30.9699, 0.5293, 0.3688

Rectangle

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



30.9699, 0.3166, 0.5362



30.9699, 0.1745, 0.3685



30.9699, 0.2745, 0.1915



30.9699, 0.4616, 0.2761

Sweetspot

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



30.9712, 0.3166, 0.5362



65.5088, 0.3165, 0.3860



29.9811, 0.4256, 0.4558



14.4314, 0.3168, 0.3940



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.



30.9712, 0.3166, 0.5362



53.8373, 0.3126, 0.5722



30.6359, 0.2841, 0.4865



9.0122, 0.3145, 0.3522



22.2255, 0.3074, 0.5941



0.6399, 0.3271, 0.5785

Inverse Universe

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



11.8776, 0.2882, 0.1638



17.2365, 0.2805, 0.1413



13.0709, 0.3745, 0.2171



8.0675, 0.3107, 0.3064



6.2759, 0.2725, 0.1275



0.1946, 0.2880, 0.1360

Previews

White Background



This preview shows how the Yxy color 30.9699, 0.3166, 0.5362 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 30.9699, 0.3166, 0.5362 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

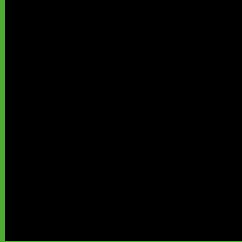
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.9699, 0.3166, 0.5362

Background



This preview shows how black text looks on a background with the Yxy color 30.9699, 0.3166, 0.5362.



This preview shows how white text looks on a background with the Yxy color 30.9699, 0.3166, 0.5362.

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

30.9699, 0.3166, 0.5362

Protanopia

30.3509, 0.4235, 0.4659

Deuteranopia

30.4542, 0.4394, 0.4317



Tritanopia

30.9254, 0.2534, 0.3075

Trichromacy



Original Color

30.9699, 0.3166, 0.5362



Protanomaly

29.8349, 0.3786, 0.4956



Deuteranomaly

29.2197, 0.3885, 0.4718



Tritanomaly

30.4379, 0.2784, 0.3902

Monochromacy



Original Color

30.9699, 0.3166, 0.5362



Achromatopsia

22.3228, 0.3127, 0.3290



Achromatomaly

24.5896, 0.3181, 0.4100

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.9699, 0.3166, 0.5362 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(77, 171, 54)` looks like.

```
.text, #text, p{  
    color:rgb(77, 171, 54)  
}
```

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(77, 171, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 171, 54) }
```

Border

The CSS property to change the border of an element to Yxy 30.9699, 0.3166, 0.5362 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(77, 171, 54) }
```

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

```
.border{ border-color:rgb(77, 171, 54) }
```

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

Here you see how a box with a 4 pixel rgb(77, 171, 54) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 171, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 171, 54);  
box-shadow:4px 4px 4px 4px rgb(77, 171,  
54) }
```


Background

The CSS property to change the background color of an element to Yxy 30.9699, 0.3166, 0.5362 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 171, 54) }
```

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

```
.background{ background-color: rgb(77, 171,  
54) }
```

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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