

Converting Colors

$Y_{xy}(30.1537, 0.3716, 0.4769)$

Have a look what the booklet for
Yxy(30.1537, 0.3716, 0.4769)
contains.

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Color

Yxy(30.1537, 0.3716, 0.4769)

Conversions

Conversions Part 1

Format	Color
Hex	899E41
RGB	137, 158, 65
RGB Percent	54%, 62%, 25%
CMY	0.4628, 0.3804, 0.7452
CMYK	0.13, 0.00, 0.59, 0.38
HSL	74°, 42%, 44%
HSV	74°, 59%, 62%
XYZ	23.4957, 30.1537, 9.5791
YIQ	141.1190, 17.3370, -33.3750

Conversions

Conversions Part 2

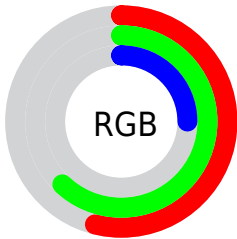
Format	Color
RYB	65, 158, 86
Decimal	9018945
CIELab	61.79, -21.49, 45.16
CIELCh	62, 50.014, 115.443
Yxy	30.1537, 0.3716, 0.4769
Android (android.graphics.Color)	4287209025 (0xFF899E41)
YUV	141.1190, -37.5267, -3.6124
Hunter-Lab	54.9124, -19.7207, 28.0959

Details

The Yxy color **30.1537, 0.3716, 0.4769** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **8.2251, 0.2227, 0.1539**, and the grayscale version is **26.8293, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.0559, 0.3625, 0.4472**, and **12.4221, 0.3800, 0.5263** is the 20% darker color. If you saturate the color by 10%, you get **29.7002, 0.3773, 0.4975**, and if you desaturate by 10%, it is **30.6711, 0.3639, 0.4534**.

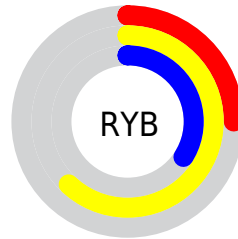
Distribution



Red (54%)

Green (62%)

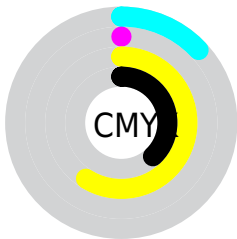
Blue (25%)



Red (25%)

Yellow (62%)

Blue (34%)

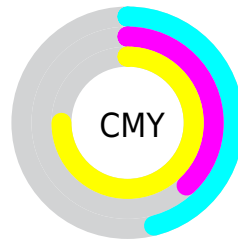


Cyan (13%)

Magenta (0%)

Yellow (59%)

Black (38%)



Cyan (46%)


Magenta (38%)


Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.1537, 0.3716, 0.4769 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 30.1537, 0.3716, 0.4769 by changing the saturation by 10% instead.

 30.1537, 0.3716,
0.4769


 30.1537, 0.3716,
0.4769


 302.6202, 0.3442,
0.3964


 19.9553, 0.3765,
0.4982


 59.9052, 0.3627,
0.4465


 12.3625, 0.3810,
0.5255


 80.2270, 0.3590,
0.4354

 6.9911, 0.3838,
0.5620


 104.6921, 0.3557,
0.4261

 3.4565, 0.3834,
0.6166

 133.6848, 0.3528,
0.4183

 1.3745, 0.3424,
0.6576

 167.5896, 0.3503,
0.4116

 0.1978, 0.0000,
1.0000

206.7908, 0.3480,

 0.0000, 0.0000,

0.4059

0.0000

251.6729, 0.3460,
0.4008

■ 30.1537, 0.3716,
0.4769

■ 30.1537, 0.3716,
0.4769

■ 29.7002, 0.3773,
0.4975

■ 30.6711, 0.3639,
0.4534

■ 29.3021, 0.3807,
0.5143

■ 31.2523, 0.3546,
0.4280

■ 28.9554, 0.3816,
0.5267

■ 31.9023, 0.3443,
0.4018

■ 28.6497, 0.3805,
0.5353

■ 32.6245, 0.3334,
0.3757

■ 28.6164, 0.3803,
0.5362

■ 33.4218, 0.3224,
0.3504

■ 34.2971, 0.3115,
0.3264

■ 35.2533, 0.3010,
0.3039

■ 36.2928, 0.2911,
0.2832

■ 37.4181, 0.2818,
0.2643

Harmonies

Analogous

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



30.1537, 0.4367, 0.4435



30.1537, 0.3716, 0.4769



30.1537, 0.2949, 0.4597

Triad

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



30.1537, 0.3716, 0.4769



30.1537, 0.1752, 0.2403



30.1537, 0.3970, 0.2755

Complementary

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



30.1537, 0.3716, 0.4769



8.2251, 0.2227, 0.1539

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.



30.1537, 0.3142, 0.2335



30.1537, 0.3716, 0.4769



30.1537, 0.1940, 0.2115

Square

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



30.1537, 0.3716, 0.4769



30.1537, 0.1857, 0.3015



30.1537, 0.2413, 0.2107



30.1537, 0.4578, 0.3297

Rectangle

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



30.1537, 0.3716, 0.4769



30.1537, 0.2475, 0.4157



30.1537, 0.2413, 0.2107



30.1537, 0.3701, 0.2598

Sweetspot

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



30.1551, 0.3716, 0.4769



59.3127, 0.3328, 0.3744



14.1694, 0.4666, 0.3610



13.2867, 0.3359, 0.3815



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.



30.1551, 0.3716, 0.4769



53.6651, 0.3788, 0.5039



27.0788, 0.3252, 0.5023



7.6448, 0.3228, 0.3513



22.9346, 0.3807, 0.5359



0.4272, 0.3972, 0.5228

Inverse Universe

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



8.2251, 0.2227, 0.1539



10.0330, 0.1989, 0.1151



11.1242, 0.2816, 0.1788



6.5040, 0.3021, 0.3061



2.2884, 0.1637, 0.0675



0.0577, 0.2005, 0.0878

Previews

White Background



This preview shows how the Yxy color 30.1537, 0.3716, 0.4769 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 30.1537, 0.3716, 0.4769 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 30.1537, 0.3716, 0.4769

Background



This preview shows how black text looks on a background with the Yxy color 30.1537, 0.3716, 0.4769.



This preview shows how white text looks on a background with the Yxy color 30.1537, 0.3716, 0.4769.

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

30.1537, 0.3716, 0.4769

Protanopia

29.9497, 0.4131, 0.4525

Deuteranopia

29.9785, 0.4333, 0.4253



Tritanopia

30.0138, 0.3015, 0.3105

Trichromacy



Original Color

30.1537, 0.3716, 0.4769

Protanomaly

29.7839, 0.3974, 0.4616

Deuteranomaly

29.8127, 0.4106, 0.4440

Tritanomaly

29.8664, 0.3301, 0.3730

Monochromacy



Original Color

30.1537, 0.3716, 0.4769

Achromatopsia

26.6356, 0.3127, 0.3290

Achromatomaly

27.6351, 0.3387, 0.3863

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.1537, 0.3716, 0.4769 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(137, 158, 65)` looks like.

```
.text, #text, p{  
    color:rgb(137, 158, 65)  
}
```

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(137, 158, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 158, 65) }
```

Border

The CSS property to change the border of an element to Yxy 30.1537, 0.3716, 0.4769 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(137, 158, 65) }
```

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

```
.border{ border-color:rgb(137, 158, 65) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 158, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 158, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 158, 65);  
box-shadow:4px 4px 4px 4px rgb(137, 158,  
65) }
```


Background

The CSS property to change the background color of an element to Yxy 30.1537, 0.3716, 0.4769 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 158, 65) }
```

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

```
.background{ background-color: rgb(137,  
158, 65) }
```

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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