

Converting Colors

$Yxy(30.4185, 0.3734, 0.5188)$

Have a look what the booklet for
Yxy(30.4185, 0.3734, 0.5188)
contains.

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Color

Yxy(30.3976, 0.3729, 0.5193)

Conversions

Conversions Part 1

Format	Color
Hex	7EA223
RGB	126, 162, 35
RGB Percent	49%, 64%, 14%
CMY	0.5059, 0.3647, 0.8626
CMYK	0.22, 0.00, 0.78, 0.36
HSL	77°, 64%, 39%
HSV	77°, 78%, 64%
XYZ	21.8280, 30.3976, 6.3102
YIQ	136.7580, 19.3110, -47.1290

Conversions

Conversions Part 2

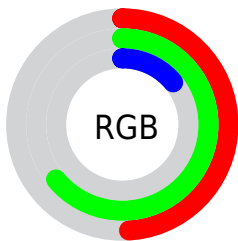
Format	Color
RYB	35, 162, 71
Decimal	8299043
CIELab	62.00, -30.00, 57.08
CIELCh	62, 64.480, 117.723
Yxy	30.3976, 0.3729, 0.5193
Android (android.graphics.Color)	4286489123 (0xFF7EA223)
YUV	136.7580, -50.1667, -9.4348
Hunter-Lab	55.1340, -25.8150, 31.8080

Details

The Yxy color **30.3976, 0.3729, 0.5193** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **5.1552, 0.1963, 0.1040**, and the grayscale version is **25.1098, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.3261, 0.3667, 0.4809**, and **12.5296, 0.3624, 0.5505** is the 20% darker color. If you saturate the color by 10%, you get **29.9825, 0.3729, 0.5330**, and if you desaturate by 10%, it is **30.8759, 0.3704, 0.5011**.

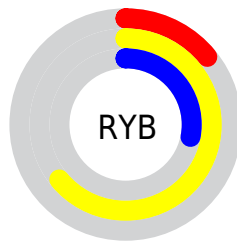
Distribution



Red (49%)

Green (64%)

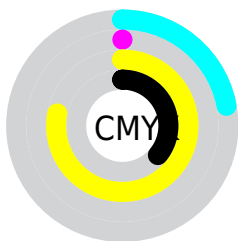
Blue (14%)



Red (14%)

Yellow (64%)

Blue (28%)

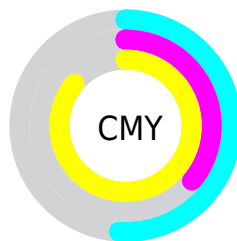


Cyan (22%)

Magenta (0%)

Yellow (78%)

Black (36%)



Cyan (51%)


Magenta (36%)

Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.3976, 0.3729, 0.5193 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 30.3976, 0.3729, 0.5193 by changing the saturation by 10% instead.

 30.3976, 0.3729,
0.5193


 30.3976, 0.3729,
0.5193


 303.7534, 0.3487,
0.4165

 20.1406, 0.3747,
0.5451


 60.2904, 0.3667,
0.4812

 12.4973, 0.3736,
0.5768

 80.6949, 0.3635,
0.4670

 7.0833, 0.3727,
0.6273


 105.2508, 0.3604,
0.4551

 3.5142, 0.3413,
0.6587

 134.3424, 0.3576,
0.4450

 1.4057, 0.2738,
0.7262

 168.3540, 0.3551,
0.4363

 0.2209, 0.0000,
1.0000

 207.6701, 0.3527,

 0.0000, 0.0000,

0.4288

0.0000

252.6751, 0.3506,
0.4223

■ 30.3976, 0.3729,
0.5193

■ 30.3976, 0.3729,
0.5193

■ 29.9825, 0.3729,
0.5330

■ 30.8759, 0.3704,
0.5011

■ 29.6163, 0.3709,
0.5425

■ 31.4190, 0.3656,
0.4792

■ 29.5589, 0.3705,
0.5440

■ 32.0330, 0.3587,
0.4545

■ 32.7223, 0.3504,
0.4282

■ 33.4908, 0.3411,
0.4013

■ 34.3421, 0.3312,
0.3748

■ 35.2796, 0.3211,
0.3492

■ 36.3065, 0.3111,
0.3252

■ 37.4256, 0.3015,
0.3029

Harmonies

Analogous

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



30.3976, 0.4573, 0.4703



30.3976, 0.3729, 0.5193



30.3976, 0.2785, 0.4982

Triad

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



30.3976, 0.3729, 0.5193



30.3976, 0.1459, 0.2123



30.3976, 0.4277, 0.2659

Complementary

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



30.3976, 0.3729, 0.5193



5.1552, 0.1963, 0.1040

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.



30.3976, 0.3209, 0.2151



30.3976, 0.3729, 0.5193



30.3976, 0.1704, 0.1834

Square

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



30.3976, 0.3729, 0.5193



30.3976, 0.1538, 0.2828



30.3976, 0.2285, 0.1860



30.3976, 0.5018, 0.3298

Rectangle

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



30.3976, 0.3729, 0.5193



30.3976, 0.2219, 0.4351



30.3976, 0.2285, 0.1860



30.3976, 0.3931, 0.2470

Sweetspot

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



30.3990, 0.3729, 0.5193



61.3834, 0.3372, 0.3908



12.3121, 0.5320, 0.3751



13.6715, 0.3406, 0.3999



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.



30.3990, 0.3729, 0.5193



53.9311, 0.3715, 0.5402



27.0058, 0.3160, 0.5596



8.1359, 0.3220, 0.3515



23.3085, 0.3709, 0.5437



0.5117, 0.3894, 0.5290

Inverse Universe

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



5.1552, 0.1963, 0.1040



6.2858, 0.1735, 0.0755



8.9228, 0.2794, 0.1464



6.9527, 0.3029, 0.3061



2.5312, 0.1698, 0.0709



0.0759, 0.2093, 0.0927

Previews

White Background



This preview shows how the Yxy color 30.3976, 0.3729, 0.5193 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 30.3976, 0.3729, 0.5193 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

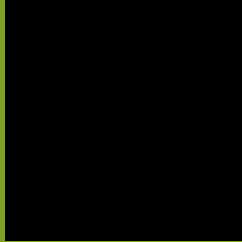
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.3976, 0.3729, 0.5193

Background



This preview shows how black text looks on a background with the Yxy color 30.3976, 0.3729, 0.5193.



This preview shows how white text looks on a background with the Yxy color 30.3976, 0.3729, 0.5193.

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

30.3976, 0.3729, 0.5193

Protanopia

30.2418, 0.4314, 0.4776

Deuteranopia

30.1003, 0.4545, 0.4465



Tritanopia

30.3530, 0.2912, 0.3102

Trichromacy



Original Color

30.3976, 0.3729, 0.5193

Protanomaly

29.9933, 0.4102, 0.4927

Deuteranomaly

29.6543, 0.4250, 0.4727

Tritanomaly

29.8545, 0.3285, 0.3944

Monochromacy



Original Color

30.3976, 0.3729, 0.5193

Achromatopsia

25.0158, 0.3127, 0.3290

Achromatomaly

26.4644, 0.3439, 0.4090

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.3976, 0.3729, 0.5193 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(126, 162, 35)` looks like.

```
.text, #text, p{  
    color:rgb(126, 162, 35)  
}
```

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(126, 162, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 162, 35) }
```

Border

The CSS property to change the border of an element to Yxy 30.3976, 0.3729, 0.5193 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(126, 162, 35) }
```

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

```
.border{ border-color:rgb(126, 162, 35) }
```

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

Here you see how a box with a 4 pixel rgb(126, 162, 35) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 162, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 162, 35);  
box-shadow:4px 4px 4px 4px rgb(126, 162,  
35) }
```


Background

The CSS property to change the background color of an element to Yxy 30.3976, 0.3729, 0.5193 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 162, 35) }
```

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

```
.background{ background-color: rgb(126,  
162, 35) }
```

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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