

Converting Colors

$Y_{xy}(30.0806, 0.3739, 0.5328)$

Have a look what the booklet for
Yxy(30.0806, 0.3739, 0.5328)
contains.

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Color

Yxy(30.0219, 0.3738, 0.5329)

Conversions

Conversions Part 1

Format	Color
Hex	7AA212
RGB	122, 162, 18
RGB Percent	48%, 64%, 7%
CMY	0.5214, 0.3647, 0.9295
CMYK	0.25, 0.00, 0.89, 0.36
HSL	77°, 80%, 35%
HSV	77°, 89%, 64%
XYZ	21.0587, 30.0219, 5.2562
YIQ	133.6240, 22.3840, -53.2640

Conversions

Conversions Part 2

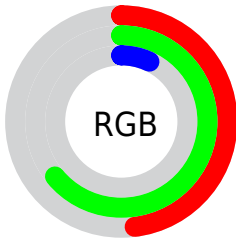
Format	Color
RYB	18, 162, 58
Decimal	8036882
CIELab	61.67, -32.25, 61.10
CIELCh	62, 69.083, 117.824
Yxy	30.0219, 0.3738, 0.5329
Android (android.graphics.Color)	4286226962 (0xFF7AA212)
YUV	133.6240, -57.0026, -10.1942
Hunter-Lab	54.7922, -27.2822, 32.6669

Details

The Yxy color **30.0219, 0.3738, 0.5329** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **3.9389, 0.1808, 0.0840**, and the grayscale version is **23.9042, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.6699, 0.3686, 0.4930**, and **12.3452, 0.3554, 0.5560** is the 20% darker color. If you saturate the color by 10%, you get **29.6628, 0.3718, 0.5422**, and if you desaturate by 10%, it is **30.4321, 0.3738, 0.5196**.

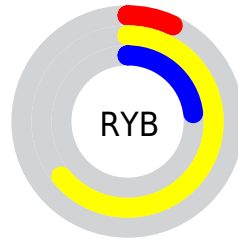
Distribution



Red (48%)

Green (64%)

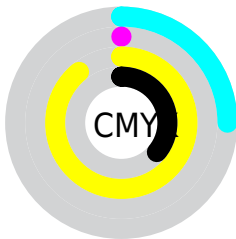
Blue (7%)



Red (7%)

Yellow (64%)

Blue (23%)

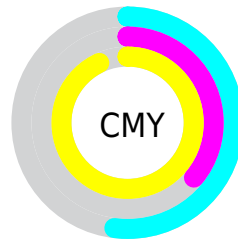


Cyan (25%)

Magenta (0%)

Yellow (89%)

Black (36%)



Cyan (52%)


Magenta (36%)


Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.0219, 0.3738, 0.5329 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 30.0219, 0.3738, 0.5329 by changing the saturation by 10% instead.


 30.0219, 0.3738,
0.5329

 30.0219, 0.3738,
0.5329


302.0065, 0.3508,
0.4232


 19.8552, 0.3744,
0.5597


 59.6968, 0.3686,
0.4926


 12.2898, 0.3712,
0.5925


 79.9738, 0.3656,
0.4774


 6.9414, 0.3629,
0.6371


 104.3897, 0.3627,
0.4647


 3.4255, 0.3285,
0.6715

 133.3289, 0.3599,
0.4538

 1.3577, 0.2452,
0.7548

 167.1758, 0.3573,
0.4445

 0.1852, 0.0000,
1.0000

 206.3148, 0.3549,

 0.0000, 0.0000,

0.4364

0.0000

251.1302, 0.3528,
0.4294

■ 30.0219, 0.3738,
0.5329

■ 30.0219, 0.3738,
0.5329

■ 29.6628, 0.3718,
0.5422

■ 30.4321, 0.3738,
0.5196

■ 29.6244, 0.3715,
0.5432

■ 30.9005, 0.3713,
0.5017

■ 31.4341, 0.3665,
0.4801

■ 32.0377, 0.3597,
0.4556

■ 32.7157, 0.3513,
0.4294

■ 33.4720, 0.3419,
0.4026

■ 34.3102, 0.3319,
0.3761

■ 35.2337, 0.3217,
0.3506

■ 36.2456, 0.3116,
0.3264

Harmonies

Analogous

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



30.0219, 0.4640, 0.4769



30.0219, 0.3738, 0.5329



30.0219, 0.2741, 0.5129

Triad

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



30.0219, 0.3738, 0.5329



30.0219, 0.1368, 0.2041



30.0219, 0.4364, 0.2616

Complementary

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



30.0219, 0.3738, 0.5329



3.9389, 0.1808, 0.0840

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.



30.0219, 0.3212, 0.2085



30.0219, 0.3738, 0.5329



30.0219, 0.1623, 0.1749

Square

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



30.0219, 0.3738, 0.5329



30.0219, 0.1443, 0.2778



30.0219, 0.2231, 0.1781



30.0219, 0.5156, 0.3281

Rectangle

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



30.0219, 0.3738, 0.5329



30.0219, 0.2145, 0.4436



30.0219, 0.2231, 0.1781



30.0219, 0.3990, 0.2419

Sweetspot

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



30.0232, 0.3738, 0.5329



60.9698, 0.3405, 0.3989



10.5911, 0.5712, 0.3680



13.5889, 0.3437, 0.4076



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.



30.0232, 0.3738, 0.5329



53.6759, 0.3706, 0.5439



26.6026, 0.3138, 0.5787



8.1380, 0.3221, 0.3515



23.3619, 0.3719, 0.5429



0.5125, 0.3901, 0.5285

Inverse Universe

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



3.9389, 0.1808, 0.0840



5.6577, 0.1668, 0.0692



7.6607, 0.2698, 0.1316



6.9507, 0.3028, 0.3061



2.5131, 0.1691, 0.0705



0.0752, 0.2082, 0.0920

Previews

White Background



This preview shows how the Yxy color 30.0219, 0.3738, 0.5329 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 30.0219, 0.3738, 0.5329 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

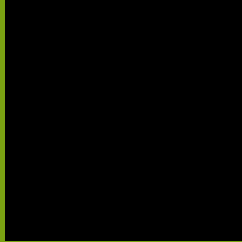
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.0219, 0.3738, 0.5329

Background



This preview shows how black text looks on a background with the Yxy color 30.0219, 0.3738, 0.5329.

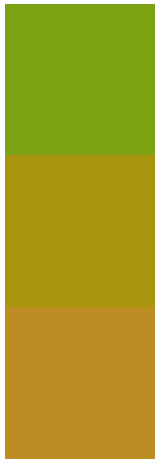


This preview shows how white text looks on a background with the Yxy color 30.0219, 0.3738, 0.5329.

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

30.0219, 0.3738, 0.5329

Protanopia

29.8488, 0.4382, 0.4850

Deuteranopia

29.7300, 0.4614, 0.4526



Tritanopia

30.0118, 0.2875, 0.3100

Trichromacy



Original Color

30.0219, 0.3738, 0.5329

Protanomaly

29.7250, 0.4134, 0.5035

Deuteranomaly

29.3653, 0.4285, 0.4828

Tritanomaly

29.3938, 0.3298, 0.4057

Monochromacy



Original Color

30.0219, 0.3738, 0.5329

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

25.4651, 0.3489, 0.4209

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.0219, 0.3738, 0.5329 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(122, 162, 18)` looks like.

```
.text, #text, p{  
    color:rgb(122, 162, 18)  
}
```

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(122, 162, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 162, 18) }
```

Border

The CSS property to change the border of an element to Yxy 30.0219, 0.3738, 0.5329 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(122, 162, 18) }
```

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

```
.border{ border-color:rgb(122, 162, 18) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 162, 18)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 162, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 162, 18);  
box-shadow:4px 4px 4px 4px rgb(122, 162,  
18) }
```


Background

The CSS property to change the background color of an element to Yxy 30.0219, 0.3738, 0.5329 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 162, 18) }
```

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

```
.background{ background-color: rgb(122,  
162, 18) }
```

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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