

Converting Colors

$Y_{xy}(30.6886, 0.3867, 0.5206)$

Have a look what the booklet for
Yxy(30.6886, 0.3867, 0.5206)
contains.

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Color

Yxy(30.6160, 0.3864, 0.5206)

Conversions

Conversions Part 1

Format	Color
Hex	86A116
RGB	134, 161, 22
RGB Percent	53%, 63%, 9%
CMY	0.4744, 0.3686, 0.9138
CMYK	0.17, 0.00, 0.86, 0.37
HSL	72°, 76%, 36%
HSV	72°, 86%, 63%
XYZ	22.7238, 30.6160, 5.4692
YIQ	137.0810, 28.5270, -48.9530

Conversions

Conversions Part 2

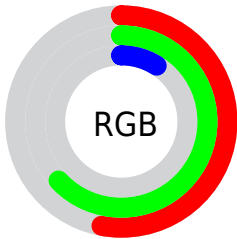
Format	Color
R_{YB}	22, 161, 49
Decimal	8823062
CIE _{Lab}	62.18, -26.67, 61.00
CIE _{LCh}	62, 66.577, 113.612
Yxy	30.6160, 0.3864, 0.5206
Android (android.graphics.Color)	4287013142 (0xFF86A116)
YUV	137.0810, -56.7349, -2.7020
Hunter-Lab	55.3317, -23.5235, 32.8717

Details

The Yxy color **30.6160, 0.3864, 0.5206** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **3.7978, 0.1743, 0.0829**, and the grayscale version is **25.2605, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.7973, 0.3788, 0.4842**, and **12.6428, 0.3751, 0.5403** is the 20% darker color. If you saturate the color by 10%, you get **30.3194, 0.3861, 0.5292**, and if you desaturate by 10%, it is **30.9606, 0.3843, 0.5077**.

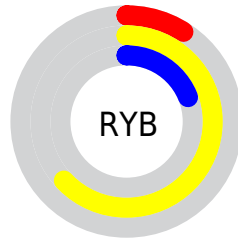
Distribution



Red (53%)

Green (63%)

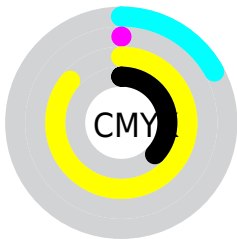
Blue (9%)



Red (9%)

Yellow (63%)

Blue (19%)

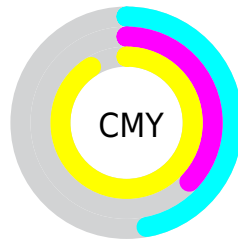


Cyan (17%)

Magenta (0%)

Yellow (86%)

Black (37%)



Cyan (47%)

Magenta (37%)

Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 30.6160, 0.3864, 0.5206 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 30.6160, 0.3864, 0.5206 by changing the saturation by 10% instead.

30.6160, 0.3864,
0.5206

30.6160, 0.3864,
0.5206

304.7653, 0.3561,
0.4192

20.3066, 0.3892,
0.5447

60.6350, 0.3783,
0.4838

12.6181, 0.3891,
0.5736

81.1134, 0.3743,
0.4698

7.1661, 0.3863,
0.6137

105.7503, 0.3705,
0.4580

3.5662, 0.3587,
0.6413

134.9300, 0.3670,
0.4479

1.4340, 0.3055,
0.6945

169.0369, 0.3639,
0.4392

0.2416, 0.0000,
1.0000

208.4556, 0.3610,

0.0000, 0.0000,

0.4317

0.0000

253.5702, 0.3584,
0.4250

■ 30.6160, 0.3864,
0.5206

■ 30.6160, 0.3864,
0.5206

■ 30.3194, 0.3861,
0.5292

■ 30.9606, 0.3843,
0.5077

■ 30.2161, 0.3858,
0.5319

■ 31.3563, 0.3798,
0.4906

■ 31.8100, 0.3730,
0.4698

■ 32.3259, 0.3642,
0.4462

■ 32.9083, 0.3541,
0.4210

■ 33.5607, 0.3430,
0.3950

■ 34.2865, 0.3315,
0.3692

■ 35.0888, 0.3199,
0.3442

■ 35.9706, 0.3086,
0.3205

Harmonies

Analogous

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



30.6160, 0.4701, 0.4633



30.6160, 0.3864, 0.5206



30.6160, 0.2899, 0.5128

Triad

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



30.6160, 0.3864, 0.5206



30.6160, 0.1413, 0.2162



30.6160, 0.4167, 0.2560

Complementary

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



30.6160, 0.3864, 0.5206



3.7978, 0.1743, 0.0829

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.



30.6160, 0.3062, 0.2069



30.6160, 0.3864, 0.5206



30.6160, 0.1618, 0.1819

Square

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



30.6160, 0.3864, 0.5206



30.6160, 0.1539, 0.2947



30.6160, 0.2159, 0.1808



30.6160, 0.5006, 0.3197

Rectangle

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



30.6160, 0.3864, 0.5206



30.6160, 0.2300, 0.4545



30.6160, 0.2159, 0.1808



30.6160, 0.3800, 0.2375

Sweetspot

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



30.6174, 0.3864, 0.5206



60.0885, 0.3431, 0.3954



9.7051, 0.5800, 0.3545



13.0927, 0.3468, 0.4038



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.



30.6174, 0.3864, 0.5206



54.0329, 0.3851, 0.5324



26.7053, 0.3223, 0.5687



8.1675, 0.3233, 0.3514



24.1501, 0.3860, 0.5317



0.5242, 0.3989, 0.5215

Inverse Universe

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



3.7978, 0.1743, 0.0829



5.0711, 0.1588, 0.0648



6.9262, 0.2541, 0.1253



6.9230, 0.3016, 0.3060



2.3049, 0.1606, 0.0658



0.0655, 0.1922, 0.0832

Previews

White Background



This preview shows how the Yxy color 30.6160, 0.3864, 0.5206 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 30.6160, 0.3864, 0.5206 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

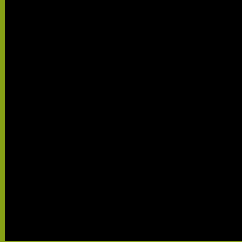
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.6160, 0.3864, 0.5206

Background



This preview shows how black text looks on a background with the Yxy color 30.6160, 0.3864, 0.5206.



This preview shows how white text looks on a background with the Yxy color 30.6160, 0.3864, 0.5206.

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

30.6160, 0.3864, 0.5206

Protanopia

30.2947, 0.4368, 0.4832

Deuteranopia

30.2862, 0.4618, 0.4517



Tritanopia

30.6244, 0.2987, 0.3105

Trichromacy



Original Color

30.6160, 0.3864, 0.5206

Protanomaly

30.2296, 0.4178, 0.4974

Deuteranomaly

30.0236, 0.4344, 0.4769

Tritanomaly

30.0097, 0.3407, 0.3997

Monochromacy



Original Color

30.6160, 0.3864, 0.5206

Achromatopsia

25.0158, 0.3127, 0.3290

Achromatomaly

26.6182, 0.3521, 0.4166

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.6160, 0.3864, 0.5206 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(134, 161, 22)` looks like.

```
.text, #text, p{  
    color:rgb(134, 161, 22)  
}
```

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(134, 161, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 161, 22) }
```

Border

The CSS property to change the border of an element to Yxy 30.6160, 0.3864, 0.5206 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(134, 161, 22) }
```

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

```
.border{ border-color:rgb(134, 161, 22) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 161, 22)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 161, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 161, 22);  
box-shadow:4px 4px 4px 4px rgb(134, 161,  
22) }
```


Background

The CSS property to change the background color of an element to Yxy 30.6160, 0.3864, 0.5206 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 161, 22) }
```

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

```
.background{ background-color: rgb(134,  
161, 22) }
```

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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