

Converting Colors

$Y_{xy}(34.0472, 0.3773, 0.5208)$

Have a look what the booklet for
Yxy(34.0472, 0.3773, 0.5208)
contains.

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Color

Yxy(34.0046, 0.3773, 0.5210)

Conversions

Conversions Part 1

Format	Color
Hex	87AA20
RGB	135, 170, 32
RGB Percent	53%, 67%, 13%
CMY	0.4707, 0.3333, 0.8742
CMYK	0.21, 0.00, 0.81, 0.33
HSL	75°, 68%, 40%
HSV	75°, 81%, 67%
XYZ	24.6256, 34.0046, 6.6378
YIQ	143.8030, 23.4380, -50.3380

Conversions

Conversions Part 2

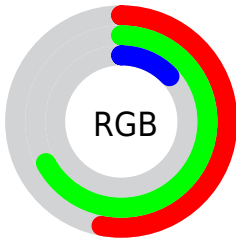
Format	Color
RYB	32, 170, 67
Decimal	8890912
CIELab	64.97, -30.24, 60.88
CIElCh	65, 67.980, 116.413
Yxy	34.0046, 0.3773, 0.5210
Android (android.graphics.Color)	4287080992 (0xFF87AA20)
YUV	143.8030, -55.1189, -7.7202
Hunter-Lab	58.3135, -26.6686, 34.0705

Details

The Yxy color **34.0046, 0.3773, 0.5210** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **5.1374, 0.1879, 0.0956**, and the grayscale version is **28.0284, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.7951, 0.3713, 0.4837**, and **14.6623, 0.3657, 0.5479** is the 20% darker color. If you saturate the color by 10%, you get **33.5853, 0.3771, 0.5328**, and if you desaturate by 10%, it is **34.4892, 0.3750, 0.5047**.

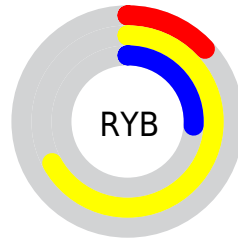
Distribution



Red (53%)

Green (67%)

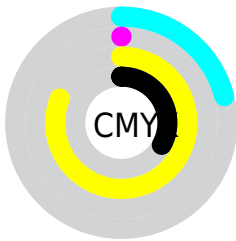
Blue (13%)



Red (13%)

Yellow (67%)

Blue (26%)

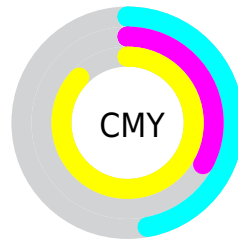


Cyan (21%)

Magenta (0%)

Yellow (81%)

Black (33%)



Cyan (47%)


Magenta (33%)


Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.0046, 0.3773, 0.5210 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 34.0046, 0.3773, 0.5210 by changing the saturation by 10% instead.


 34.0046, 0.3773,
0.5210


 34.0046, 0.3773,
0.5210


320.1526, 0.3519,
0.4198


 22.8971, 0.3793,
0.5454


 65.9408, 0.3708,
0.4842

 14.5176, 0.3786,
0.5748


 87.5384, 0.3675,
0.4703


 8.4815, 0.3787,
0.6213


 113.4014, 0.3643,
0.4585

 4.4046, 0.3511,
0.6489

 143.9143, 0.3613,
0.4484

 1.9024, 0.3054,
0.6946

 179.4615, 0.3586,
0.4398

 0.5498, 0.0000,
1.0000

 220.4273, 0.3562,

 0.0000, 0.0000,

0.4322

0.0000

267.1962, 0.3539,
0.4256

■ 34.0046, 0.3773,
0.5210

■ 34.0046, 0.3773,
0.5210

■ 33.5853, 0.3771,
0.5328

■ 34.4892, 0.3750,
0.5047

■ 33.2512, 0.3753,
0.5402

■ 35.0412, 0.3703,
0.4843

■ 35.6677, 0.3635,
0.4608

■ 36.3735, 0.3550,
0.4352

■ 37.1633, 0.3454,
0.4086

■ 38.0410, 0.3350,
0.3820

■ 39.0106, 0.3244,
0.3562

■ 40.0754, 0.3139,
0.3317

■ 41.2389, 0.3037,
0.3087

Harmonies

Analogous

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



34.0046, 0.4620, 0.4687



34.0046, 0.3773, 0.5210



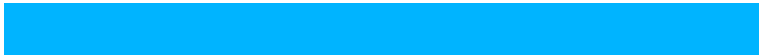
34.0046, 0.2817, 0.5042

Triad

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



34.0046, 0.3773, 0.5210



34.0046, 0.1437, 0.2128



34.0046, 0.4250, 0.2624

Complementary

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



34.0046, 0.3773, 0.5210



5.1374, 0.1879, 0.0956

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.



34.0046, 0.3162, 0.2119



34.0046, 0.3773, 0.5210



34.0046, 0.1669, 0.1822

Square

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



34.0046, 0.3773, 0.5210



34.0046, 0.1530, 0.2861



34.0046, 0.2240, 0.1837



34.0046, 0.5027, 0.3265

Rectangle

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



34.0046, 0.3773, 0.5210



34.0046, 0.2238, 0.4420



34.0046, 0.2240, 0.1837



34.0046, 0.3894, 0.2436

Sweetspot

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



34.0061, 0.3773, 0.5210



68.4702, 0.3385, 0.3908



12.6145, 0.5495, 0.3683



15.1460, 0.3421, 0.4000



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.



34.0061, 0.3773, 0.5210



60.4146, 0.3754, 0.5387



30.0349, 0.3179, 0.5642



8.6765, 0.3225, 0.3516



24.4852, 0.3758, 0.5398



0.6180, 0.3910, 0.5277

Inverse Universe

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



5.1374, 0.1879, 0.0956



6.4122, 0.1668, 0.0704



9.1349, 0.2711, 0.1387



7.3892, 0.3024, 0.3059



2.5387, 0.1663, 0.0690



0.0854, 0.2014, 0.0883

Previews

White Background



This preview shows how the Yxy color 34.0046, 0.3773, 0.5210 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 34.0046, 0.3773, 0.5210 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 34.0046, 0.3773, 0.5210

Background



This preview shows how black text looks on a background with the Yxy color 34.0046, 0.3773, 0.5210.



This preview shows how white text looks on a background with the Yxy color 34.0046, 0.3773, 0.5210.

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

34.0046, 0.3773, 0.5210

Protanopia

33.8895, 0.4334, 0.4803

Deuteranopia

33.5396, 0.4579, 0.4490



Tritanopia

33.7836, 0.2930, 0.3096

Trichromacy



Original Color

34.0046, 0.3773, 0.5210

Protanomaly

33.6158, 0.4131, 0.4950

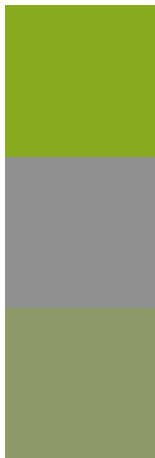
Deuteranomaly

33.2591, 0.4274, 0.4758

Tritanomaly

33.1260, 0.3325, 0.3961

Monochromacy



Original Color

34.0046, 0.3773, 0.5210

Achromatopsia

27.8894, 0.3127, 0.3290

Achromatomaly

29.4245, 0.3474, 0.4118

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.0046, 0.3773, 0.5210 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(135, 170, 32)` looks like.

```
.text, #text, p{  
    color:rgb(135, 170, 32)  
}
```

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(135, 170, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 170, 32) }
```

Border

The CSS property to change the border of an element to Yxy 34.0046, 0.3773, 0.5210 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(135, 170, 32) }
```

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

```
.border{ border-color:rgb(135, 170, 32) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 170, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 170, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 170, 32);  
box-shadow:4px 4px 4px 4px rgb(135, 170,  
32) }
```


Background

The CSS property to change the background color of an element to Yxy 34.0046, 0.3773, 0.5210 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 170, 32) }
```

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

```
.background{ background-color: rgb(135,  
170, 32) }
```

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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