

Converting Colors

$Yxy(73.9726, 0.3769, 0.5208)$

Have a look what the booklet for
Yxy(73.9726, 0.3769, 0.5208)
contains.

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Color

Yxy(73.7657, 0.3772, 0.5202)

Conversions

Conversions Part 1

Format	Color
Hex	C0F033
RGB	192, 240, 51
RGB Percent	75%, 94%, 20%
CMY	0.2472, 0.0588, 0.8000
CMYK	0.20, 0.00, 0.79, 0.06
HSL	75°, 86%, 57%
HSV	75°, 79%, 94%
XYZ	53.4879, 73.7657, 14.5489
YIQ	204.1020, 32.0610, -68.9550

Conversions

Conversions Part 2

Format	Color
RYB	51, 240, 99
Decimal	12644403
CIELab	88.81, -38.97, 78.46
CIELCh	89, 87.607, 116.413
Yxy	73.7657, 0.3772, 0.5202
Android (android.graphics.Color)	4290834483 (0xFFC0F033)
YUV	204.1020, -75.4793, -10.6135
Hunter-Lab	85.8870, -39.1375, 50.0774

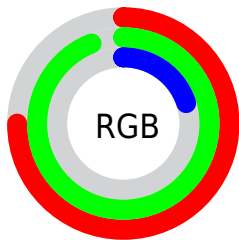
Details

The Yxy color **73.7657, 0.3772, 0.5202** is a light color, and the websafe version is hex **CCFF33**.

The color can be described as light washed yellow. A complement of this color would be **11.3142, 0.1888, 0.0968**, and the grayscale version is **60.9195, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.4077, 0.3909, 0.4629**, and **39.3493, 0.3721, 0.5428** is the 20% darker color. If you saturate the color by 10%, you get **72.8293, 0.3771, 0.5324**, and if you desaturate by 10%, it is **74.8509, 0.3747, 0.5032**.

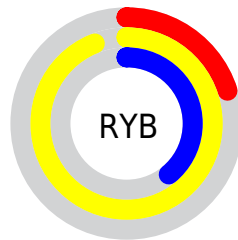
Distribution



Red (75%)

Green (94%)

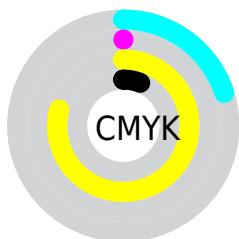
Blue (20%)



Red (20%)

Yellow (94%)

Blue (39%)

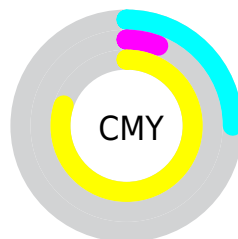


Cyan (20%)

Magenta (0%)

Yellow (79%)

Black (6%)



Cyan (25%)


Magenta (6%)

Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 73.7657, 0.3772, 0.5202 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 73.7657, 0.3772, 0.5202 by changing the saturation by 10% instead.


 73.7657, 0.3772,
0.5202


 73.7657, 0.3772,
0.5202


473.6643, 0.3561,
0.4321


 54.6023, 0.3790,
0.5386


 124.5636, 0.3722,
0.4907

 39.0834, 0.3795,
0.5599

 156.9669, 0.3696,
0.4789


 26.8246, 0.3774,
0.5844


 194.5523, 0.3670,
0.4685

 17.4415, 0.3719,
0.6141

 237.7042, 0.3645,
0.4594

 10.5498, 0.3563,
0.6437

 286.8069, 0.3622,
0.4514

 5.7650, 0.3259,
0.6741

342.2449, 0.3600,

 2.7027, 0.2783,

0.4442

0.7217

404.4026, 0.3580,
0.4378

■ 0.9786, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 73.7657, 0.3772,
0.5202

■ 73.7657, 0.3772,
0.5202

■ 72.8293, 0.3771,
0.5324

■ 74.8509, 0.3747,
0.5032


■ 72.0094, 0.3747,
0.5402

■ 76.0901, 0.3697,
0.4820


■ 71.9121, 0.3743,
0.5410


■ 77.4994, 0.3625,
0.4576

■ 79.0903, 0.3536,
0.4312

 80.8729, 0.3436,
0.4040

 82.8565, 0.3330,
0.3769

 85.0500, 0.3221,
0.3508

 87.4613, 0.3114,
0.3260

 89.3007, 0.3081,
0.3144

Harmonies

Analogous

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



73.7657, 0.4615, 0.4683



73.7657, 0.3772, 0.5202



73.7657, 0.2820, 0.5033

Triad

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



73.7657, 0.3772, 0.5202



73.7657, 0.1442, 0.2133



73.7657, 0.4245, 0.2627

Complementary

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



73.7657, 0.3772, 0.5202



11.3142, 0.1888, 0.0968

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.



73.7657, 0.3162, 0.2123



73.7657, 0.3772, 0.5202



73.7657, 0.1674, 0.1827

Square

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



73.7657, 0.3772, 0.5202



73.7657, 0.1536, 0.2863



73.7657, 0.2243, 0.1842



73.7657, 0.5018, 0.3266

Rectangle

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



73.7657, 0.3772, 0.5202



73.7657, 0.2242, 0.4414



73.7657, 0.2243, 0.1842



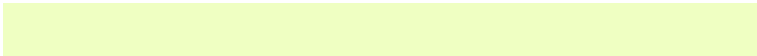
73.7657, 0.3891, 0.2439

Sweetspot

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



73.7690, 0.3772, 0.5202



93.8336, 0.3387, 0.3913



27.5484, 0.5474, 0.3685



19.9139, 0.3425, 0.4010



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



73.7690, 0.3772, 0.5202



82.9401, 0.3757, 0.5379



65.1783, 0.3181, 0.5630



18.2450, 0.3229, 0.3526



39.4269, 0.3750, 0.5404



3.3269, 0.3811, 0.5356

Inverse Universe

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



11.3142, 0.1888, 0.0968



8.9708, 0.1680, 0.0716



19.9648, 0.2715, 0.1395



15.4229, 0.3019, 0.3049



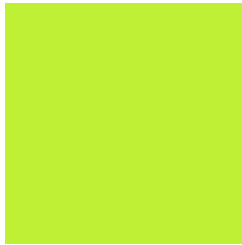
4.0406, 0.1650, 0.0683



0.3820, 0.1780, 0.0754

Previews

White Background



This preview shows how the Yxy color 73.7657, 0.3772, 0.5202 looks on a white background.

Color Contrast Check

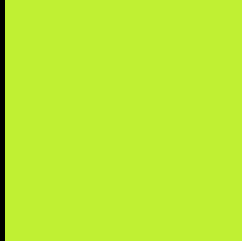
Large Text (above 18pt) WCAG AA × Fail

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 73.7657, 0.3772, 0.5202 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 73.7657, 0.3772, 0.5202

Background



This preview shows how black text looks on a background with the Yxy color 73.7657, 0.3772, 0.5202.



This preview shows how white text looks on a background with the Yxy color 73.7657, 0.3772, 0.5202.

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

73.7657, 0.3772, 0.5202

Protanopia

73.3046, 0.4336, 0.4792

Deuteranopia

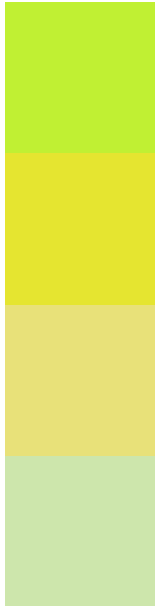
72.9449, 0.3818, 0.3856



Tritanopia

73.6592, 0.2939, 0.3107

Trichromacy



Original Color

73.7657, 0.3772, 0.5202

Protanomaly

72.9100, 0.4128, 0.4945

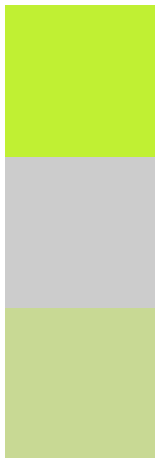
Deuteranomaly

72.3867, 0.3864, 0.4394

Tritanomaly

72.5513, 0.3324, 0.3958

Monochromacy



Original Color

73.7657, 0.3772, 0.5202

Achromatopsia

60.3827, 0.3127, 0.3290

Achromatomaly

64.0432, 0.3470, 0.4117

CSS Examples

Text

The CSS property to change the color of the text to Yxy 73.7657, 0.3772, 0.5202 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(192, 240, 51)` looks like.

```
.text, #text, p{  
    color:rgb(192, 240, 51)  
}
```

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(192, 240, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 240, 51) }
```

Border

The CSS property to change the border of an element to Yxy 73.7657, 0.3772, 0.5202 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(192, 240, 51) }
```

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

```
.border{ border-color:rgb(192, 240, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 240, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 240, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 240, 51);  
box-shadow:4px 4px 4px 4px rgb(192, 240,  
51) }
```


Background

The CSS property to change the background color of an element to Yxy 73.7657, 0.3772, 0.5202 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 240, 51) }
```

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

```
.background{ background-color: rgb(192,  
240, 51) }
```

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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