

Converting Colors

$Yxy(40.8016, 0.4073, 0.5051)$

Have a look what the booklet for
Yxy(40.8016, 0.4073, 0.5051)
contains.

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Color

Yxy(40.8564, 0.4068, 0.5056)

Conversions

Conversions Part 1

Format	Color
Hex	AAB319
RGB	170, 179, 25
RGB Percent	67%, 70%, 10%
CMY	0.3334, 0.2980, 0.9015
CMYK	0.05, 0.00, 0.86, 0.30
HSL	64°, 75%, 40%
HSV	64°, 86%, 70%
XYZ	32.8726, 40.8564, 7.0788
YIQ	158.7530, 44.0700, -49.8020

Conversions

Conversions Part 2

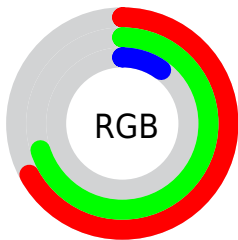
Format	Color
R_{YB}	25, 179, 34
Decimal	11186969
CIE Lab	70.08, -20.04, 67.99
CIE LCh	70, 70.879, 106.428
Yxy	40.8564, 0.4068, 0.5056
Android (android.graphics.Color)	4289377049 (0xFFAAB319)
YUV	158.7530, -65.9402, 9.8636
Hunter-Lab	63.9190, -20.0584, 38.1772

Details

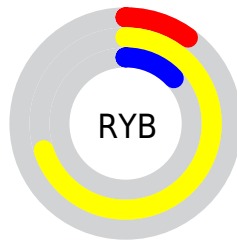
The Yxy color **40.8564, 0.4068, 0.5056** is a dark color, and the websafe version is hex **CCCC33**. A complement of this color would be **4.2969, 0.1621, 0.0761**, and the grayscale version is **34.8499, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.7793, 0.3955, 0.4761**, and **18.6895, 0.4007, 0.5201** is the 20% darker color. If you saturate the color by 10%, you get **40.6870, 0.4087, 0.5115**, and if you desaturate by 10%, it is **41.0794, 0.4024, 0.4955**.

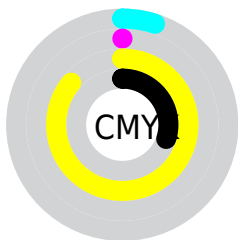
Distribution



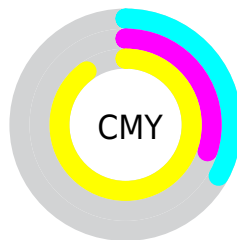
- Red (67%)
- Green (70%)
- Blue (10%)



- Red (10%)
- Yellow (70%)
- Blue (13%)



- Cyan (5%)
- Magenta (0%)
- Yellow (86%)
- Black (30%)





- Cyan (33%)
- Magenta (30%)
- Yellow (90%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.8564, 0.4068, 0.5056 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 40.8564, 0.4068, 0.5056 by changing the saturation by 10% instead.

 40.8564, 0.4068,
0.5056


 40.8564, 0.4068,
0.5056


349.7201, 0.3676,
0.4191

 28.2069, 0.4122,
0.5240

 76.4659, 0.3955,
0.4760

 18.4817, 0.4161,
0.5450


 100.1946, 0.3903,
0.4642


 11.2964, 0.4213,
0.5747


 128.3852, 0.3855,
0.4540

 6.2665, 0.4085,
0.5915

 161.4221, 0.3812,
0.4452

 3.0078, 0.3858,
0.6142

 199.6896, 0.3773,
0.4374

 1.1358, 0.3345,
0.6655

 243.5722, 0.3737,

 0.0083, 0.0000,

0.4306

1.0000

293.4542, 0.3705,
0.4245

■ 0.0000, 0.0000,
0.0000

■ 40.8564, 0.4068,
0.5056

■ 40.8564, 0.4068,
0.5056

■ 40.6870, 0.4087,
0.5115

■ 41.0794, 0.4024,
0.4955

■ 40.6246, 0.4092,
0.5133

■ 41.3592, 0.3955,
0.4812

■ 41.7042, 0.3862,
0.4630

■ 42.1202, 0.3750,
0.4417

■ 42.6125, 0.3623,
0.4181

■ 43.1856, 0.3487,
0.3933

■ 43.8439, 0.3347,
0.3681

■ 44.5914, 0.3208,
0.3434

■ 45.4316, 0.3074,
0.3196

Harmonies

Analogous

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



40.8564, 0.4815, 0.4441



40.8564, 0.4068, 0.5056



40.8564, 0.3139, 0.5164

Triad

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



40.8564, 0.4068, 0.5056



40.8564, 0.1455, 0.2338



40.8564, 0.3882, 0.2450

Complementary

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



40.8564, 0.4068, 0.5056



4.2969, 0.1621, 0.0761

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.



40.8564, 0.2828, 0.2016



40.8564, 0.4068, 0.5056



40.8564, 0.1579, 0.1906

Square

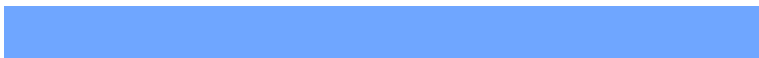
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



40.8564, 0.4068, 0.5056



40.8564, 0.1665, 0.3215



40.8564, 0.2028, 0.1822



40.8564, 0.4802, 0.3050

Rectangle

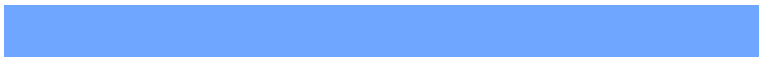
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



40.8564, 0.4068, 0.5056



40.8564, 0.2528, 0.4739



40.8564, 0.2028, 0.1822



40.8564, 0.3520, 0.2282

Sweetspot

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



40.8583, 0.4068, 0.5056



77.2875, 0.3493, 0.3945



10.7318, 0.6030, 0.3352



17.0421, 0.3541, 0.4030



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



40.8583, 0.4068, 0.5056



72.7173, 0.4090, 0.5135



34.7121, 0.3369, 0.5582



9.8808, 0.3255, 0.3516



28.7151, 0.4093, 0.5132



0.9111, 0.4123, 0.5109

Inverse Universe

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



4.2969, 0.1621, 0.0761



5.9192, 0.1514, 0.0608



7.2539, 0.2276, 0.1109



8.2531, 0.2994, 0.3055



2.3577, 0.1522, 0.0612



0.0820, 0.1616, 0.0664

Previews

White Background



This preview shows how the Yxy color 40.8564, 0.4068, 0.5056 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 40.8564, 0.4068, 0.5056 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 40.8564, 0.4068, 0.5056

Background



This preview shows how black text looks on a background with the Yxy color 40.8564, 0.4068, 0.5056.



This preview shows how white text looks on a background with the Yxy color 40.8564, 0.4068, 0.5056.

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

40.8564, 0.4068, 0.5056

Protanopia

40.9044, 0.4363, 0.4837

Deuteranopia

40.4213, 0.4634, 0.4538



Tritanopia

40.8778, 0.3154, 0.3118

Trichromacy



Original Color

40.8564, 0.4068, 0.5056

Protanomaly

41.0402, 0.4254, 0.4918

Deuteranomaly

40.2572, 0.4435, 0.4719

Tritanomaly

40.0460, 0.3603, 0.3946

Monochromacy



Original Color

40.8564, 0.4068, 0.5056

Achromatopsia

34.6704, 0.3127, 0.3290

Achromatomaly

36.1848, 0.3593, 0.4121

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.8564, 0.4068, 0.5056 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(170, 179, 25)` looks like.

```
.text, #text, p{  
    color:rgb(170, 179, 25)  
}
```

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(170, 179, 25) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 179, 25) }
```

Border

The CSS property to change the border of an element to Yxy 40.8564, 0.4068, 0.5056 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(170, 179, 25) }
```

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

```
.border{ border-color:rgb(170, 179, 25) }
```

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

Here you see how a box with a 4 pixel rgb(170, 179, 25) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 179, 25); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 179, 25);  
box-shadow:4px 4px 4px 4px rgb(170, 179,  
25) }
```


Background

The CSS property to change the background color of an element to Yxy 40.8564, 0.4068, 0.5056 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 179, 25) }
```

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

```
.background{ background-color: rgb(170,  
179, 25) }
```

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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