

Converting Colors

$Y_{xy}(10.1736, 0.4008, 0.5116)$

Have a look what the booklet for
Yxy(10.1736, 0.4008, 0.5116)
contains.

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Color

Yxy(10.1782, 0.4006, 0.5117)

Conversions

Conversions Part 1

Format	Color
Hex	565F07
RGB	86, 95, 7
RGB Percent	34%, 37%, 3%
CMY	0.6627, 0.6274, 0.9727
CMYK	0.09, 0.00, 0.93, 0.63
HSL	66°, 86%, 20%
HSV	66°, 93%, 37%
XYZ	7.9683, 10.1782, 1.7444
YIQ	82.2770, 22.8840, -29.2760

Conversions

Conversions Part 2

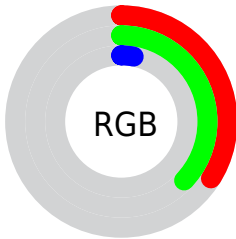
Format	Color
R_YB	7, 95, 16
Decimal	5660423
CIE Lab	38.16, -14.62, 42.96
CIE LCh	38, 45.379, 108.790
Yxy	10.1782, 0.4006, 0.5117
Android (android.graphics.Color)	4283850503 (0xFF565F07)
YUV	82.2770, -37.1116, 3.2651
Hunter-Lab	31.9033, -11.2478, 19.0904

Details

The Yxy color **10.1782, 0.4006, 0.5117** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **1.0873, 0.1640, 0.0757**, and the grayscale version is **8.5686, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.0767, 0.3860, 0.4656**, and **2.5899, 0.3835, 0.5337** is the 20% darker color. If you saturate the color by 10%, you get **10.1298, 0.4026, 0.5185**, and if you desaturate by 10%, it is **10.2486, 0.3974, 0.5018**.

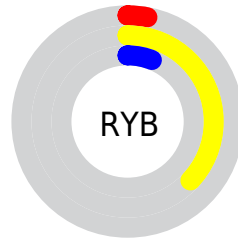
Distribution



Red (34%)

Green (37%)

Blue (3%)



Red (3%)

Yellow (37%)

Blue (6%)

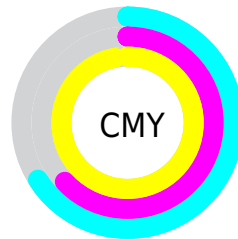


Cyan (9%)

Magenta (0%)

Yellow (93%)

Black (63%)



Cyan (66%)


Magenta (63%)


Yellow (97%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.1782, 0.4006, 0.5117 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 10.1782, 0.4006, 0.5117 by changing the saturation by 10% instead.


 10.1782, 0.4006,
0.5117


 10.1782, 0.4006,
0.5117


 191.9392, 0.3538,
0.3998


 5.5173, 0.4112,
0.5498

 26.1301, 0.3851,
0.4663


 2.5538, 0.4099,
0.5901


 38.1899, 0.3785,
0.4505

 0.9035, 0.3571,
0.6429

 53.4848, 0.3727,
0.4377


 0.0000, 0.0000,
0.0000


 72.3992, 0.3678,
0.4273

 95.3174, 0.3635,
0.4187


 122.6239, 0.3598,


0.4114


 154.7030, 0.3566,
0.4052


 10.1782, 0.4006,
0.5117


 10.1782, 0.4006,
0.5117


 10.1298, 0.4026,
0.5185

 10.2486, 0.3974,
0.5018

 10.3313, 0.3921,
0.4882

 10.4287, 0.3847,
0.4712

 10.5421, 0.3754,
0.4512

 10.6725, 0.3647,
0.4291

■ 10.8212, 0.3529,
0.4057

■ 10.9889, 0.3406,
0.3818

■ 11.1765, 0.3282,
0.3580

■ 11.3849, 0.3159,
0.3350

Harmonies

Analogous

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



10.1782, 0.4789, 0.4508



10.1782, 0.4006, 0.5117



10.1782, 0.3059, 0.5172

Triad

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



10.1782, 0.4006, 0.5117



10.1782, 0.1431, 0.2271



10.1782, 0.3979, 0.2480

Complementary

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



10.1782, 0.4006, 0.5117



1.0873, 0.1640, 0.0757

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.



10.1782, 0.2900, 0.2026



10.1782, 0.4006, 0.5117



10.1782, 0.1582, 0.1868

Square

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



10.1782, 0.4006, 0.5117



10.1782, 0.1613, 0.3124



10.1782, 0.2062, 0.1808



10.1782, 0.4883, 0.3095

Rectangle

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



10.1782, 0.4006, 0.5117



10.1782, 0.2448, 0.4692



10.1782, 0.2062, 0.1808



10.1782, 0.3612, 0.2306

Sweetspot

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



10.1787, 0.4006, 0.5117



18.6388, 0.3483, 0.3965



2.8120, 0.5999, 0.3415



4.4468, 0.3518, 0.4035



50.7079, 0.3127, 0.3290



4.6964, 0.3127, 0.3290

Same Dimension

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



10.1787, 0.4006, 0.5117



17.3253, 0.4021, 0.5189



8.6961, 0.3307, 0.5647



2.9571, 0.3235, 0.3492



14.3837, 0.4023, 0.5188



76.6204, 0.4012, 0.5197

Inverse Universe

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



1.0873, 0.1640, 0.0757



1.4970, 0.1551, 0.0628



1.9315, 0.2360, 0.1142



2.5269, 0.3014, 0.3081



1.2487, 0.1556, 0.0631



6.4739, 0.1528, 0.0616

Previews

White Background



This preview shows how the Yxy color 10.1782, 0.4006, 0.5117 looks on a white 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 × Fail

Black Background



This preview shows how the Yxy color 10.1782, 0.4006, 0.5117 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

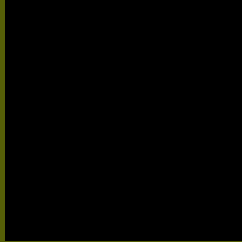
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.1782, 0.4006, 0.5117

Background



This preview shows how black text looks on a background with the Yxy color 10.1782, 0.4006, 0.5117.



This preview shows how white text looks on a background with the Yxy color 10.1782, 0.4006, 0.5117.

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

10.1782, 0.4006, 0.5117

Protanopia

10.0856, 0.4371, 0.4877

Deuteranopia

10.0482, 0.4588, 0.4538



Tritanopia

10.1328, 0.3103, 0.3122

Trichromacy



Original Color

10.1782, 0.4006, 0.5117

Protanomaly

10.1499, 0.4243, 0.4966

Deuteranomaly

10.0574, 0.4372, 0.4760

Tritanomaly

10.0147, 0.3536, 0.4000

Monochromacy



Original Color

10.1782, 0.4006, 0.5117

Achromatopsia

8.4376, 0.3127, 0.3290

Achromatomaly

8.9312, 0.3560, 0.4148

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.1782, 0.4006, 0.5117 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(86, 95, 7)` looks like.

```
.text, #text, p{  
    color:rgb(86, 95, 7)  
}
```

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(86, 95, 7) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 95, 7) }
```

Border

The CSS property to change the border of an element to Yxy 10.1782, 0.4006, 0.5117 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(86, 95, 7) }
```

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

```
.border{ border-color:rgb(86, 95, 7) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 95, 7)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 95, 7); -webkit-box-shadow:4px  
4px 4px 4px rgb(86, 95, 7); box-shadow:4px  
4px 4px 4px rgb(86, 95, 7) }
```


Background

The CSS property to change the background color of an element to Yxy 10.1782, 0.4006, 0.5117 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 95, 7) }
```

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

```
.background{ background-color: rgb(86, 95,  
7) }
```

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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