

Converting Colors

$Y_{xy}(10.1689, 0.2484, 0.3685)$

Have a look what the booklet for
Yxy(10.1689, 0.2484, 0.3685)
contains.

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Color

Yxy(10.0785, 0.2478, 0.3666)

Conversions

Conversions Part 1

Format	Color
Hex	1E6457
RGB	30, 100, 87
RGB Percent	12%, 39%, 34%
CMY	0.8824, 0.6078, 0.6589
CMYK	0.70, 0.00, 0.13, 0.61
HSL	169°, 54%, 25%
HSV	169°, 70%, 39%
XYZ	6.8125, 10.0785, 10.6008
YIQ	77.5880, -37.5470, -18.8830

Conversions

Conversions Part 2

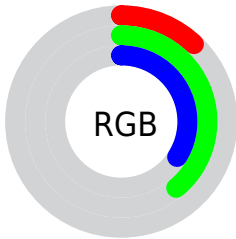
Format	Color
R_{YB}	30, 69, 100
Decimal	1991767
CIE _{Lab}	37.98, -24.99, 1.07
CIE _{LCh}	38, 25.013, 177.556
Yxy	10.0785, 0.2478, 0.3666
Android (android.graphics.Color)	4280181847 (0xFF1E6457)
YUV	77.5880, 4.6401, -41.7347
Hunter-Lab	31.7467, -17.2526, 2.4245




Details

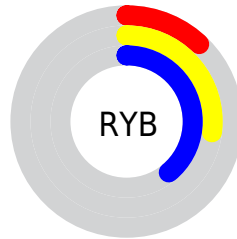
The Yxy color **10.0785, 0.2478, 0.3666** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **3.8125, 0.4860, 0.3010**, and the grayscale version is **7.5335, 0.3127, 0.3290**.




A 20% lighter version of the original color is **25.8242, 0.2646, 0.3552**, and **2.7134, 0.2406, 0.3860** is the 20% darker color. If you saturate the color by 10%, you get **9.9216, 0.2440, 0.3729**, and if you desaturate by 10%, it is **10.2848, 0.2533, 0.3604**.

Distribution







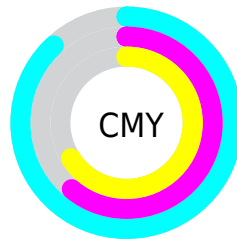
-  Red (12%)
-  Green (39%)
-  Blue (34%)






-  Red (12%)
-  Yellow (27%)
-  Blue (39%)



-  Cyan (70%)
-  Magenta (0%)
-  Yellow (13%)
-  Black (61%)




-  Cyan (88%)
-  Magenta (61%)
-  Yellow (66%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 10.0785, 0.2478, 0.3666 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 10.0785, 0.2478, 0.3666 by changing the saturation by 10% instead.


 10.0785, 0.2478,
0.3666


 10.0785, 0.2478,
0.3666


 191.2314, 0.2882,
0.3430


 5.4510, 0.2333,
0.3752

 25.9430, 0.2652,
0.3564


 2.5143, 0.2108,
0.3887


 37.9489, 0.2708,
0.3531

 0.8838, 0.1149,
0.4416

 53.1831, 0.2752,
0.3505

 0.0000, 0.0000,
0.0000

 72.0298, 0.2788,
0.3485

 94.8737, 0.2818,
0.3468

 122.0990, 0.2843,

0.3453

154.0901, 0.2864,
0.3441

10.0785, 0.2478,
0.3666

10.0785, 0.2478,
0.3666

9.9216, 0.2440,
0.3729

10.2848, 0.2533,
0.3604

9.8082, 0.2418,
0.3792

10.5433, 0.2605,
0.3544

9.7152, 0.2404,
0.3856

10.8582, 0.2690,
0.3486

11.2329, 0.2787,
0.3432

11.6702, 0.2894,
0.3381

■ 12.1732, 0.3008,
0.3333

■ 12.7445, 0.3127,
0.3290

■ 13.3866, 0.3249,
0.3251

■ 14.1019, 0.3372,
0.3216

Harmonies

Analogous

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



10.0785, 0.2981, 0.4172



10.0785, 0.2478, 0.3666



10.0785, 0.2165, 0.3076

Triad

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



10.0785, 0.2478, 0.3666



10.0785, 0.2639, 0.2400



10.0785, 0.4279, 0.3805

Complementary

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



10.0785, 0.2478, 0.3666



3.8125, 0.4860, 0.3010

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.



10.0785, 0.4191, 0.3356



10.0785, 0.2478, 0.3666



10.0785, 0.3192, 0.2588

Square

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



10.0785, 0.2478, 0.3666



10.0785, 0.2254, 0.2404



10.0785, 0.3777, 0.2926



10.0785, 0.4032, 0.4184

Rectangle

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



10.0785, 0.2478, 0.3666



10.0785, 0.2088, 0.2753



10.0785, 0.3777, 0.2926



10.0785, 0.4290, 0.3658

Sweetspot

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



10.0789, 0.2478, 0.3666



20.3267, 0.2876, 0.3389



9.7441, 0.3173, 0.5303



4.9641, 0.2855, 0.3398



53.8236, 0.3127, 0.3290



5.4972, 0.3127, 0.3290

Same Dimension

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



10.0789, 0.2478, 0.3666



17.2561, 0.2424, 0.3770



6.7884, 0.2209, 0.2663



3.1769, 0.3020, 0.3329



13.0023, 0.2407, 0.3866



67.6944, 0.2418, 0.3903

Inverse Universe

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



3.8125, 0.4860, 0.3010



5.4400, 0.5502, 0.3029



5.1709, 0.4865, 0.3769



2.8540, 0.3245, 0.3252



3.6833, 0.6021, 0.3091



19.1112, 0.6145, 0.3159

Previews

White Background



This preview shows how the Yxy color 10.0785, 0.2478, 0.3666 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 10.0785, 0.2478, 0.3666 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

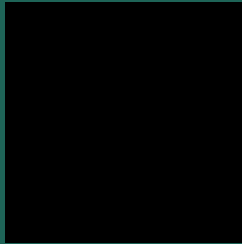
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.0785, 0.2478, 0.3666

Background



This preview shows how black text looks on a background with the Yxy color 10.0785, 0.2478, 0.3666.



This preview shows how white text looks on a background with the Yxy color 10.0785, 0.2478, 0.3666.

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

10.0785, 0.2478, 0.3666

Protanopia

10.0660, 0.3317, 0.3488

Deuteranopia

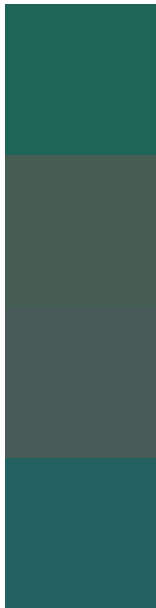
9.9351, 0.3249, 0.3195



Tritanopia

10.0006, 0.2353, 0.3072

Trichromacy



Original Color

10.0785, 0.2478, 0.3666

Protanomaly

9.7553, 0.2920, 0.3560

Deuteranomaly

9.6199, 0.2881, 0.3342

Tritanomaly

9.9923, 0.2402, 0.3288

Monochromacy



Original Color

10.0785, 0.2478, 0.3666

Achromatopsia

7.6185, 0.3127, 0.3290

Achromatomaly

8.2418, 0.2807, 0.3434

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.0785, 0.2478, 0.3666 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(30, 100, 87)` looks like.

```
.text, #text, p{  
  color:rgb(30, 100, 87)  
}
```

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(30, 100, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(30, 100, 87) }
```

Border

The CSS property to change the border of an element to Yxy 10.0785, 0.2478, 0.3666 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(30, 100, 87) }
```

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

```
.border{ border-color:rgb(30, 100, 87) }
```

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

Here you see how a box with a 4 pixel rgb(30, 100, 87) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(30, 100, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(30, 100, 87);  
box-shadow:4px 4px 4px 4px rgb(30, 100,  
87) }
```


Background

The CSS property to change the background color of an element to Yxy 10.0785, 0.2478, 0.3666 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(30, 100, 87) }
```

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

```
.background{ background-color: rgb(30, 100,  
87) }
```

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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