

Converting Colors

$Y_{xy}(10.1858, 0.2419, 0.3480)$

Have a look what the booklet for
Yxy(10.1858, 0.2419, 0.3480)
contains.

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Color

$\text{Yxy}(10.1807, 0.2421, 0.3487)$

Conversions

Conversions Part 1	
Format	Color
Hex	1E645D
RGB	30, 100, 93
RGB Percent	12%, 39%, 36%
CMY	0.8823, 0.6078, 0.6353
CMYK	0.70, 0.00, 0.07, 0.61
HSL	174°, 54%, 25%
HSV	174°, 70%, 39%
XYZ	7.0684, 10.1807, 11.9471
YIQ	78.2720, -39.4730, -17.0170

Conversions

Conversions Part 2

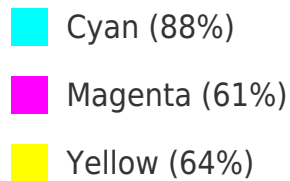
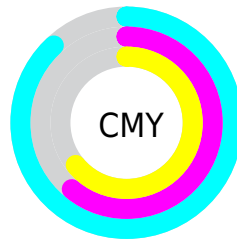
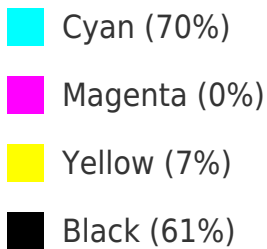
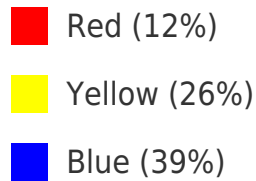
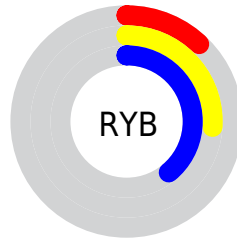
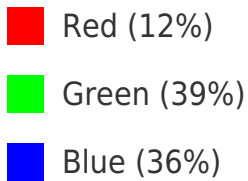
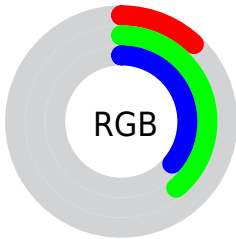
Format	Color
RYB	30, 67, 100
Decimal	1991773
CIELab	38.16, -23.21, -2.36
CIELCh	38, 23.325, 185.808
Yxy	10.1807, 0.2421, 0.3487
Android (android.graphics.Color)	4280181853 (0xFF1E645D)
YUV	78.2720, 7.2609, -42.3345
Hunter-Lab	31.9072, -16.2946, 0.1350

Details

The Yxy color **10.1807, 0.2421, 0.3487** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **3.7723, 0.5051, 0.3147**, and the grayscale version is **7.6652, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.0477, 0.2609, 0.3437**, and **2.7514, 0.2331, 0.3590** is the 20% darker color. If you saturate the color by 10%, you get **10.0361, 0.2377, 0.3519**, and if you desaturate by 10%, it is **10.3741, 0.2482, 0.3455**.


Distribution




Brightness & Saturation Gradients

These gradients show how the Yxy color 10.1807, 0.2421, 0.3487 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 10.1807, 0.2421, 0.3487 by changing the saturation by 10% instead.


 10.1807, 0.2421,
0.3487


 10.1807, 0.2421,
0.3487


 191.9569, 0.2857,
0.3369


 5.5189, 0.2269,
0.3525

 26.1348, 0.2607,
0.3438


 2.5548, 0.2034,
0.3580


 38.1960, 0.2667,
0.3422

 0.9040, 0.1241,
0.3834

 53.4924, 0.2715,
0.3409

 0.0000, 0.0000,
0.0000

 72.4084, 0.2754,
0.3398

 95.3285, 0.2787,
0.3389

 122.6370, 0.2814,

0.3381

154.7184, 0.2837,
0.3375

■ 10.1807, 0.2421,
0.3487

■ 10.1807, 0.2421,
0.3487

■ 10.0361, 0.2377,
0.3519

■ 10.3741, 0.2482,
0.3455

■ 9.9345, 0.2349,
0.3552

■ 10.6193, 0.2560,
0.3424

■ 9.8528, 0.2329,
0.3584

■ 10.9202, 0.2652,
0.3394

■ 9.8527, 0.2329,
0.3584

■ 11.2803, 0.2757,
0.3365

■ 11.7026, 0.2873,
0.3338

■ 12.1899, 0.2997,
0.3313

■ 12.7450, 0.3127,
0.3290

■ 13.3702, 0.3261,
0.3269

■ 14.0682, 0.3397,
0.3250

Harmonies

Analogous

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



10.1807, 0.2853, 0.3998



10.1807, 0.2421, 0.3487



10.1807, 0.2184, 0.2961

Triad

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



10.1807, 0.2421, 0.3487



10.1807, 0.2803, 0.2487



10.1807, 0.4166, 0.3886

Complementary

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



10.1807, 0.2421, 0.3487



3.7723, 0.5051, 0.3147

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.



10.1807, 0.4171, 0.3474



10.1807, 0.2421, 0.3487



10.1807, 0.3343, 0.2708

Square

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



10.1807, 0.2421, 0.3487



10.1807, 0.2390, 0.2440



10.1807, 0.3861, 0.3057



10.1807, 0.3867, 0.4195

Rectangle

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



10.1807, 0.2421, 0.3487



10.1807, 0.2153, 0.2694



10.1807, 0.3861, 0.3057



10.1807, 0.4204, 0.3754

Sweetspot

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



10.1811, 0.2421, 0.3487



20.3873, 0.2853, 0.3342



9.6239, 0.3108, 0.5343



4.9802, 0.2831, 0.3347



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.



10.1811, 0.2421, 0.3487



17.4705, 0.2357, 0.3540



5.9842, 0.2166, 0.2478



3.1807, 0.3010, 0.3311



13.1891, 0.2330, 0.3589



68.7150, 0.2336, 0.3608

Inverse Universe

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



3.7723, 0.5051, 0.3147



5.3820, 0.5730, 0.3167



5.7139, 0.4749, 0.3907



2.8505, 0.3257, 0.3270



3.6532, 0.6220, 0.3200



18.9885, 0.6307, 0.3248

Previews

White Background



This preview shows how the Yxy color 10.1807, 0.2421, 0.3487 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 10.1807, 0.2421, 0.3487 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

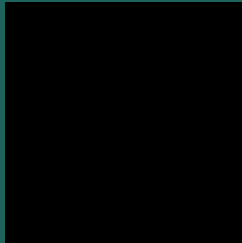
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.1807, 0.2421, 0.3487

Background



This preview shows how black text looks on a background with the Yxy color 10.1807, 0.2421, 0.3487.



This preview shows how white text looks on a background with the Yxy color 10.1807, 0.2421, 0.3487.

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

10.1807, 0.2421, 0.3487

Protanopia

10.1082, 0.3206, 0.3339

Deuteranopia

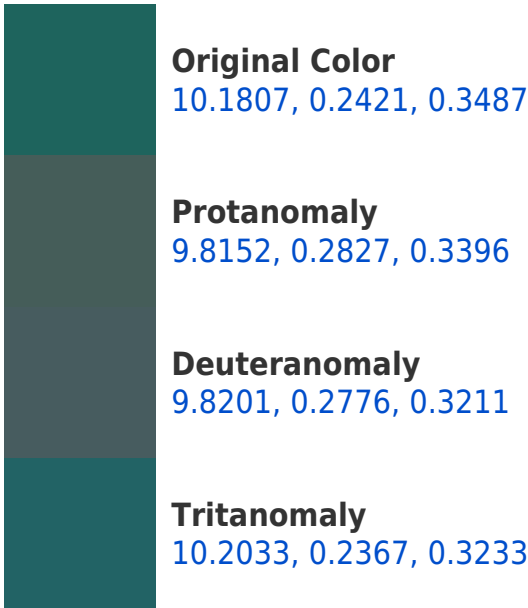
10.0938, 0.3121, 0.3077



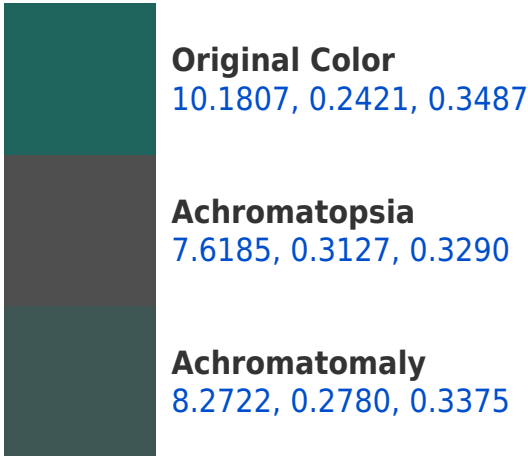
Tritanopia

10.1693, 0.2337, 0.3073

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.1807, 0.2421, 0.3487 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, 93)` looks like.

```
.text, #text, p{  
    color:rgb(30, 100, 93)  
}
```

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, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(30, 100, 93) }
```

Border

The CSS property to change the border of an element to Yxy 10.1807, 0.2421, 0.3487 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, 93) }
```

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

```
.border{ border-color:rgb(30, 100, 93) }
```

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, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(30, 100, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(30, 100, 93);  
box-shadow:4px 4px 4px 4px rgb(30, 100,  
93) }
```


Background

The CSS property to change the background color of an element to Yxy 10.1807, 0.2421, 0.3487 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, 93) }
```

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

```
.background{ background-color: rgb(30, 100,  
93) }
```

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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