

Converting Colors

$Yxy(16.1137, 0.2517, 0.3783)$

Have a look what the booklet for
Yxy(16.1137, 0.2517, 0.3783)
contains.

Yxy(16.1178, 0.2521, 0.3795)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(16.1178, 0.2521, 0.3795)

Conversions

Conversions Part 1

Format	Color
Hex	287D68
RGB	40, 125, 104
RGB Percent	16%, 49%, 41%
CMY	0.8432, 0.5098, 0.5921
CMYK	0.68, 0.00, 0.17, 0.51
HSL	165°, 52%, 32%
HSV	165°, 68%, 49%
XYZ	10.7070, 16.1178, 15.6464
YIQ	97.1910, -43.9190, -24.5510

Conversions

Conversions Part 2

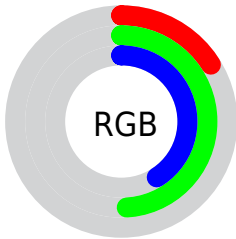
Format	Color
RYB	40, 88, 125
Decimal	2653544
CIELab	47.13, -30.63, 4.09
CIElCh	47, 30.899, 172.401
Yxy	16.1178, 0.2521, 0.3795
Android (android.graphics.Color)	4280843624 (0xFF287D68)
YUV	97.1910, 3.3568, -50.1565
Hunter-Lab	40.1470, -22.6523, 4.9960

Details

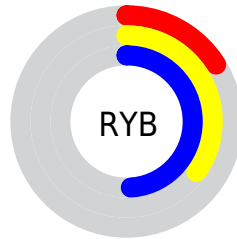
The Yxy color **16.1178, 0.2521, 0.3795** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **6.2126, 0.4711, 0.2910**, and the grayscale version is **12.0019, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.6941, 0.2665, 0.3668**, and **5.3276, 0.2445, 0.4003** is the 20% darker color. If you saturate the color by 10%, you get **15.8458, 0.2486, 0.3883**, and if you desaturate by 10%, it is **16.4744, 0.2574, 0.3709**.

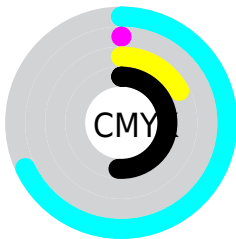
Distribution



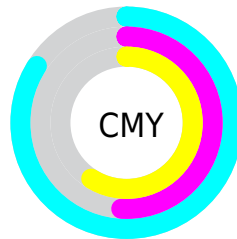
- Red (16%)
- Green (49%)
- Blue (41%)



- Red (16%)
- Yellow (35%)
- Blue (49%)



- Cyan (68%)
- Magenta (0%)
- Yellow (17%)
- Black (51%)





- Cyan (84%)
- Magenta (51%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.1178, 0.2521, 0.3795 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 16.1178, 0.2521, 0.3795 by changing the saturation by 10% instead.


 16.1178, 0.2521,
0.3795


 16.1178, 0.2521,
0.3795


 230.0358, 0.2879,
0.3493


 9.6075, 0.2407,
0.3895


 36.8026, 0.2668,
0.3669

 5.1395, 0.2240,
0.4044

 51.7459, 0.2717,
0.3627


 2.3294, 0.1975,
0.4288

 70.2691, 0.2757,
0.3594

 0.7892, 0.0018,
0.5781

 92.7564, 0.2790,
0.3566

 0.0000, 0.0000,
0.0000

 119.5924, 0.2818,
0.3543

 151.1613, 0.2841,

0.3524

187.8477, 0.2861,
0.3507

■ 16.1178, 0.2521,
0.3795

■ 16.1178, 0.2521,
0.3795

■ 15.8458, 0.2486,
0.3883

■ 16.4744, 0.2574,
0.3709

■ 15.6483, 0.2469,
0.3972

■ 16.9209, 0.2643,
0.3625

■ 15.5058, 0.2466,
0.4060

■ 17.4641, 0.2726,
0.3545

■ 15.4788, 0.2466,
0.4078

■ 18.1098, 0.2821,
0.3470

■ 18.8633, 0.2925,
0.3401

■ 19.7296, 0.3036,
0.3337

■ 20.7132, 0.3150,
0.3279

■ 21.8186, 0.3267,
0.3227

■ 23.0497, 0.3383,
0.3180

Harmonies

Analogous

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



16.1178, 0.3072, 0.4289



16.1178, 0.2521, 0.3795



16.1178, 0.2154, 0.3161

Triad

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



16.1178, 0.2521, 0.3795



16.1178, 0.2528, 0.2342



16.1178, 0.4354, 0.3747

Complementary

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



16.1178, 0.2521, 0.3795



6.2126, 0.4711, 0.2910

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.



16.1178, 0.4198, 0.3274



16.1178, 0.2521, 0.3795



16.1178, 0.3085, 0.2507

Square

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



16.1178, 0.2521, 0.3795



16.1178, 0.2163, 0.2381



16.1178, 0.3713, 0.2837



16.1178, 0.4145, 0.4170

Rectangle

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



16.1178, 0.2521, 0.3795



16.1178, 0.2046, 0.2799



16.1178, 0.3713, 0.2837



16.1178, 0.4344, 0.3590

Sweetspot

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



16.1184, 0.2521, 0.3795



33.4270, 0.2899, 0.3418



15.8206, 0.3216, 0.5269



7.5316, 0.2875, 0.3433



63.8283, 0.3127, 0.3290



8.3535, 0.3127, 0.3290

Same Dimension

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



16.1184, 0.2521, 0.3795



28.1483, 0.2474, 0.3936



11.7810, 0.2238, 0.2775



4.8693, 0.3023, 0.3344



16.1532, 0.2467, 0.4080



0.0000, 0.0000, 0.0000

Inverse Universe

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



6.2126, 0.4711, 0.2910



9.0573, 0.5309, 0.2919



7.8755, 0.4924, 0.3686



4.3603, 0.3243, 0.3237



4.6520, 0.5866, 0.3005



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 16.1178, 0.2521, 0.3795 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 16.1178, 0.2521, 0.3795 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

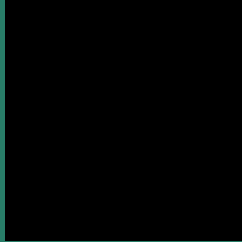
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.1178, 0.2521, 0.3795

Background



This preview shows how black text looks on a background with the Yxy color 16.1178, 0.2521, 0.3795.

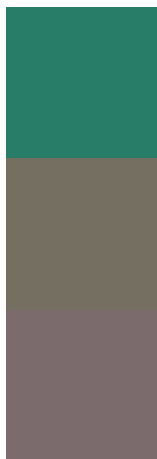


This preview shows how white text looks on a background with the Yxy color 16.1178, 0.2521, 0.3795.

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

16.1178, 0.2521, 0.3795

Protanopia

15.9450, 0.3374, 0.3576

Deuteranopia

15.8091, 0.3338, 0.3271



Tritanopia

16.0435, 0.2361, 0.3067

Trichromacy



Original Color

16.1178, 0.2521, 0.3795

Protanomaly

15.4856, 0.2962, 0.3649

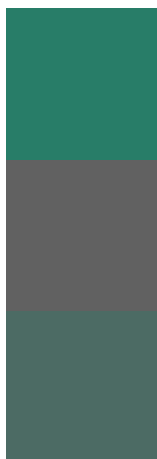
Deuteranomaly

15.4233, 0.2943, 0.3443

Tritanomaly

15.9279, 0.2417, 0.3311

Monochromacy



Original Color

16.1178, 0.2521, 0.3795

Achromatopsia

11.9538, 0.3127, 0.3290

Achromatomaly

12.9720, 0.2809, 0.3458

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.1178, 0.2521, 0.3795 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(40, 125, 104)` looks like.

```
.text, #text, p{  
    color:rgb(40, 125, 104)  
}
```

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(40, 125, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 125, 104) }
```

Border

The CSS property to change the border of an element to Yxy 16.1178, 0.2521, 0.3795 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(40, 125, 104) }
```

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

```
.border{ border-color:rgb(40, 125, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(40, 125, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 125, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 125, 104);  
box-shadow:4px 4px 4px 4px rgb(40, 125,  
104) }
```


Background

The CSS property to change the background color of an element to Yxy 16.1178, 0.2521, 0.3795 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 125, 104) }
```

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

```
.background{ background-color: rgb(40, 125,  
104) }
```

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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