

Converting Colors

$Yxy(15.2121, 0.2039, 0.2542)$

Have a look what the booklet for
Yxy(15.2121, 0.2039, 0.2542)
contains.

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Color

Yxy(15.2568, 0.2041, 0.2546)

Conversions

Conversions Part 1

Format	Color
Hex	007699
RGB	0, 118, 153
RGB Percent	0%, 46%, 60%
CMY	0.9989, 0.5373, 0.4000
CMYK	1.00, 0.23, 0.00, 0.40
HSL	194°, 100%, 30%
HSV	194°, 100%, 60%
XYZ	12.2306, 15.2568, 32.4372
YIQ	86.7080, -81.5630, -14.1310

Conversions

Conversions Part 2

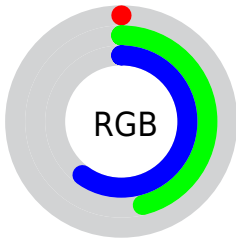
Format	Color
RYB	0, 67, 153
Decimal	30361
CIELab	45.98, -14.74, -26.71
CIELCh	46, 30.505, 241.099
Yxy	15.2568, 0.2041, 0.2546
Android (android.graphics.Color)	4278220441 (0xFF007699)
YUV	86.7080, 32.6820, -76.0429
Hunter-Lab	39.0600, -12.4623, -21.8952

Details

The Yxy color **15.2568, 0.2041, 0.2546** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **7.9921, 0.6092, 0.3542**, and the grayscale version is **9.4250, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.2329, 0.2285, 0.2732**, and **5.3396, 0.1970, 0.2293** is the 20% darker color. If you saturate the color by 10%, you get **15.2402, 0.2040, 0.2544**, and if you desaturate by 10%, it is **16.2034, 0.2085, 0.2628**.

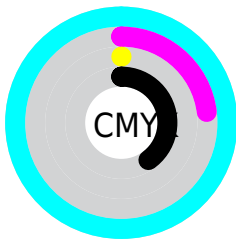
Distribution



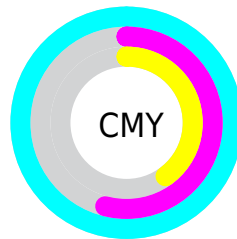
- Red (0%)
- Green (46%)
- Blue (60%)



- Red (0%)
- Yellow (26%)
- Blue (60%)



- Cyan (100%)
- Magenta (23%)
- Yellow (0%)
- Black (40%)





- Cyan (100%)
- Magenta (54%)
- Yellow (40%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 15.2568, 0.2041, 0.2546 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 15.2568, 0.2041, 0.2546 by changing the saturation by 10% instead.


 15.2568, 0.2041,
0.2546


 15.2568, 0.2041,
0.2546


 224.9153, 0.2654,
0.2990


 8.9998, 0.1865,
0.2406


 35.3031, 0.2281,
0.2728


 4.7411, 0.1626,
0.2208

 49.8611, 0.2366,
0.2789

 2.0961, 0.1293,
0.1909

 67.9550, 0.2436,
0.2839

 0.6625, 0.0586,
0.1439

 89.9691, 0.2494,
0.2880

 0.0000, 0.0000,
0.0000

 116.2877, 0.2544,
0.2914

 147.2954, 0.2586,

0.2943

183.3765, 0.2622,
0.2968

■ 15.2568, 0.2041,
0.2546

■ 15.2568, 0.2041,
0.2546

■ 15.2402, 0.2040,
0.2544

■ 16.2034, 0.2085,
0.2628

■ 17.2588, 0.2144,
0.2711

■ 18.4583, 0.2221,
0.2794

■ 19.8161, 0.2316,
0.2876

■ 21.3449, 0.2428,
0.2956

■ 23.0555, 0.2553,
0.3032

■ 24.9578, 0.2689,
0.3105

■ 27.0611, 0.2832,
0.3172

■ 29.3738, 0.2980,
0.3234

Harmonies

Analogous

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



15.2568, 0.2088, 0.2991



15.2568, 0.2041, 0.2546



15.2568, 0.2241, 0.2342

Triad

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



15.2568, 0.2041, 0.2546



15.2568, 0.3883, 0.2954



15.2568, 0.3502, 0.4421

Complementary

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



15.2568, 0.2041, 0.2546



7.9921, 0.6092, 0.3542

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.



15.2568, 0.4032, 0.4271



15.2568, 0.2041, 0.2546



15.2568, 0.4288, 0.3410

Square

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



15.2568, 0.2041, 0.2546



15.2568, 0.3269, 0.2584



15.2568, 0.4335, 0.3882



15.2568, 0.2899, 0.4183

Rectangle

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



15.2568, 0.2041, 0.2546



15.2568, 0.2504, 0.2335



15.2568, 0.4335, 0.3882



15.2568, 0.3695, 0.4409

Sweetspot

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



15.2573, 0.2041, 0.2546



44.4187, 0.2678, 0.3099



22.8964, 0.2930, 0.5747



9.5116, 0.2625, 0.3072



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



15.2573, 0.2041, 0.2546



27.0023, 0.2036, 0.2529



4.0700, 0.1608, 0.0986



6.7863, 0.2989, 0.3238



12.6474, 0.2042, 0.2551



0.2418, 0.2143, 0.2916

Inverse Universe

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



8.0864, 0.3877, 0.1910



14.4385, 0.3894, 0.1919



17.8668, 0.4788, 0.4578



6.2994, 0.3170, 0.3120



6.6821, 0.3872, 0.1907



0.1052, 0.3529, 0.1718

Previews

White Background



This preview shows how the Yxy color 15.2568, 0.2041, 0.2546 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 15.2568, 0.2041, 0.2546 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

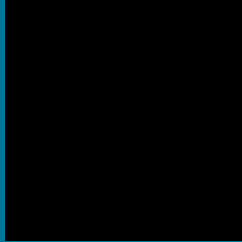
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

Yxy 15.2568, 0.2041, 0.2546

Background



This preview shows how black text looks on a background with the Yxy color 15.2568, 0.2041, 0.2546.



This preview shows how white text looks on a background with the Yxy color 15.2568, 0.2041, 0.2546.

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

15.2568, 0.2041, 0.2546

Protanopia

15.1564, 0.2591, 0.2549

Deuteranopia

15.3158, 0.2434, 0.2391



Tritanopia

15.2865, 0.2189, 0.3079

Trichromacy



Original Color

15.2568, 0.2041, 0.2546

Protanomaly

14.5311, 0.2257, 0.2519

Deuteranomaly

14.8210, 0.2195, 0.2433

Tritanomaly

15.2679, 0.2134, 0.2882

Monochromacy



Original Color

15.2568, 0.2041, 0.2546

Achromatopsia

9.5307, 0.3127, 0.3290

Achromatomaly

10.6953, 0.2438, 0.2959

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.2568, 0.2041, 0.2546 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(0, 118, 153)` looks like.

```
.text, #text, p{  
  color:rgb(0, 118, 153)  
}
```

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(0, 118, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 118, 153) }
```

Border

The CSS property to change the border of an element to Yxy 15.2568, 0.2041, 0.2546 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(0, 118, 153) }
```

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

```
.border{ border-color:rgb(0, 118, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 118, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 118, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 118, 153);  
box-shadow:4px 4px 4px 4px rgb(0, 118,  
153) }
```


Background

The CSS property to change the background color of an element to Yxy 15.2568, 0.2041, 0.2546 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 118, 153) }
```

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

```
.background{ background-color: rgb(0, 118,  
153) }
```

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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