

Converting Colors

$Yxy(12.9607, 0.1272, 0.2480)$

Have a look what the booklet for
Yxy(12.9607, 0.1272, 0.2480)
contains.

Yxy(16.0078, 0.2054, 0.2596)	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(16.0078, 0.2054, 0.2596)

Conversions

Conversions Part 1

Format	Color
Hex	00799A
RGB	0, 121, 154
RGB Percent	0%, 47%, 60%
CMY	1.0000, 0.5254, 0.3961
CMYK	1.00, 0.21, 0.00, 0.40
HSL	193°, 100%, 30%
HSV	193°, 100%, 60%
XYZ	12.6656, 16.0078, 32.9899
YIQ	88.5830, -82.7090, -15.3890

Conversions

Conversions Part 2

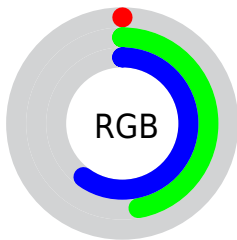
Format	Color
RYB	0, 68, 154
Decimal	31130
CIELab	46.98, -16.10, -25.73
CIELCh	47, 30.355, 237.972
Yxy	16.0078, 0.2054, 0.2596
Android (android.graphics.Color)	4278221210 (0xFF00799A)
YUV	88.5830, 32.2506, -77.6873
Hunter-Lab	40.0097, -13.5104, -20.8805

Details

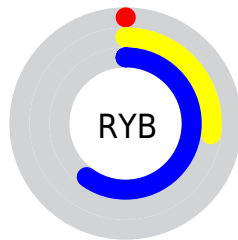
The Yxy color **16.0078, 0.2054, 0.2596** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **7.9556, 0.6129, 0.3516**, and the grayscale version is **9.8363, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.4690, 0.2286, 0.2752**, and **5.6140, 0.1982, 0.2335** is the 20% darker color. If you saturate the color by 10%, you get **16.0108, 0.2055, 0.2596**, and if you desaturate by 10%, it is **16.9312, 0.2097, 0.2673**.

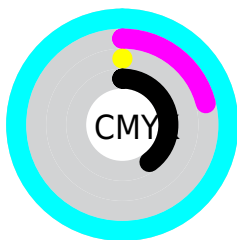
Distribution



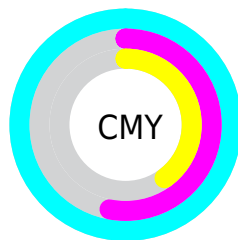
- Red (0%)
- Green (47%)
- Blue (60%)



- Red (0%)
- Yellow (27%)
- Blue (60%)



- Cyan (100%)
- Magenta (21%)
- Yellow (0%)
- Black (40%)



- Cyan (100%)
- Magenta (53%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.0078, 0.2054, 0.2596 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 16.0078, 0.2054, 0.2596 by changing the saturation by 10% instead.

16.0078, 0.2054,
0.2596

16.0078, 0.2054,
0.2596

229.3877, 0.2657,
0.3010

9.5297, 0.1882,
0.2466

36.6117, 0.2289,
0.2765

5.0882, 0.1650,
0.2280

51.5064, 0.2373,
0.2823

2.2991, 0.1326,
0.2000

69.9752, 0.2441,
0.2869

0.7733, 0.0696,
0.1573

92.4028, 0.2499,
0.2908

0.0000, 0.0000,
0.0000

119.1734, 0.2547,
0.2940

150.6716, 0.2589,

0.2967

187.2815, 0.2625,
0.2990

■ 16.0078, 0.2054,
0.2596

■ 16.0078, 0.2054,
0.2596

■ 16.0108, 0.2055,
0.2596

■ 16.9312, 0.2097,
0.2673

■ 17.9575, 0.2153,
0.2750

■ 19.1258, 0.2227,
0.2827

■ 20.4507, 0.2320,
0.2903

■ 21.9449, 0.2430,
0.2977

■ 23.6193, 0.2553,
0.3048

■ 25.4842, 0.2687,
0.3116

■ 27.5487, 0.2830,
0.3179

■ 29.8213, 0.2977,
0.3237

Harmonies

Analogous

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



16.0078, 0.2127, 0.3057



16.0078, 0.2054, 0.2596



16.0078, 0.2226, 0.2370

Triad

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



16.0078, 0.2054, 0.2596



16.0078, 0.3810, 0.2918



16.0078, 0.3556, 0.4398

Complementary

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



16.0078, 0.2054, 0.2596



7.9556, 0.6129, 0.3516

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.



16.0078, 0.4059, 0.4221



16.0078, 0.2054, 0.2596



16.0078, 0.4238, 0.3361

Square

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



16.0078, 0.2054, 0.2596



16.0078, 0.3202, 0.2567



16.0078, 0.4323, 0.3826



16.0078, 0.2965, 0.4206

Rectangle

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



16.0078, 0.2054, 0.2596



16.0078, 0.2470, 0.2347



16.0078, 0.4323, 0.3826



16.0078, 0.3742, 0.4374

Sweetspot

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



16.0108, 0.2055, 0.2596



46.0860, 0.2679, 0.3112



23.2061, 0.2939, 0.5781



10.1224, 0.2625, 0.3086



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



16.0108, 0.2055, 0.2596



28.7975, 0.2050, 0.2581



4.3022, 0.1617, 0.1021



6.8019, 0.2989, 0.3241



13.0992, 0.2056, 0.2602



0.2459, 0.2150, 0.2941

Inverse Universe

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



8.2500, 0.3828, 0.1882



14.9592, 0.3842, 0.1890



17.5508, 0.4833, 0.4544



6.3010, 0.3168, 0.3117



6.7277, 0.3822, 0.1879



0.1056, 0.3506, 0.1705

Previews

White Background



This preview shows how the Yxy color 16.0078, 0.2054, 0.2596 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 16.0078, 0.2054, 0.2596 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

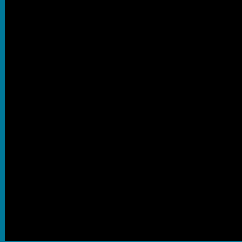
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.0078, 0.2054, 0.2596

Background



This preview shows how black text looks on a background with the Yxy color 16.0078, 0.2054, 0.2596.

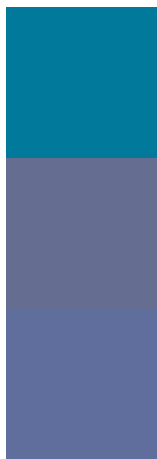


This preview shows how white text looks on a background with the Yxy color 16.0078, 0.2054, 0.2596.

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

16.0078, 0.2054, 0.2596

Protanopia

15.9629, 0.2630, 0.2615

Deuteranopia

16.0191, 0.2462, 0.2408



Tritanopia

16.1088, 0.2190, 0.3083

Trichromacy



Original Color

16.0078, 0.2054, 0.2596

Protanomaly

15.2627, 0.2285, 0.2587

Deuteranomaly

15.3956, 0.2204, 0.2445

Tritanomaly

16.0890, 0.2136, 0.2891

Monochromacy



Original Color

16.0078, 0.2054, 0.2596

Achromatopsia

9.9899, 0.3127, 0.3290

Achromatomaly

11.3695, 0.2452, 0.2991

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.0078, 0.2054, 0.2596 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, 121, 154)` looks like.

```
.text, #text, p{  
    color:rgb(0, 121, 154)  
}
```

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, 121, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 121, 154) }
```

Border

The CSS property to change the border of an element to Yxy 16.0078, 0.2054, 0.2596 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, 121, 154) }
```

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

```
.border{ border-color:rgb(0, 121, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 121, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 121, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 121, 154);  
box-shadow:4px 4px 4px 4px rgb(0, 121,  
154) }
```


Background

The CSS property to change the background color of an element to Yxy 16.0078, 0.2054, 0.2596 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 121, 154) }
```

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

```
.background{ background-color: rgb(0, 121,  
154) }
```

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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