

Converting Colors

$Yxy(10.9456, 0.0863, 0.2478)$

Have a look what the booklet for
Yxy(10.9456, 0.0863, 0.2478)
contains.

Yxy(15.0635, 0.2071, 0.2657)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$\text{Yxy}(15.0635, 0.2071, 0.2657)$

Conversions

Conversions Part 1

Format	Color
Hex	007693
RGB	0, 118, 147
RGB Percent	0%, 46%, 58%
CMY	1.0000, 0.5372, 0.4236
CMYK	1.00, 0.20, 0.00, 0.42
HSL	192°, 100%, 29%
HSV	192°, 100%, 58%
XYZ	11.7413, 15.0635, 29.8889
YIQ	86.0240, -79.6370, -15.9970

Conversions

Conversions Part 2

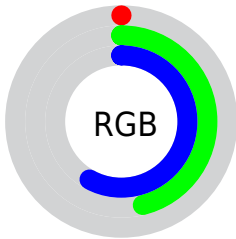
Format	Color
RYB	0, 65, 147
Decimal	30355
CIELab	45.72, -17.02, -23.57
CIElCh	46, 29.070, 234.158
Yxy	15.0635, 0.2071, 0.2657
Android (android.graphics.Color)	4278220435 (0xFF007693)
YUV	86.0240, 30.0612, -75.4430
Hunter-Lab	38.8117, -13.9210, -18.4910

Details

The Yxy color **15.0635, 0.2071, 0.2657** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **7.0801, 0.6155, 0.3495**, and the grayscale version is **9.2605, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.8513, 0.2306, 0.2813**, and **5.2248, 0.2012, 0.2444** is the 20% darker color. If you saturate the color by 10%, you get **15.0660, 0.2072, 0.2657**, and if you desaturate by 10%, it is **15.8583, 0.2112, 0.2727**.

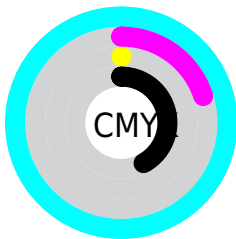
Distribution



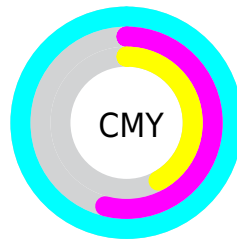
- Red (0%)
- Green (46%)
- Blue (58%)



- Red (0%)
- Yellow (25%)
- Blue (58%)



- Cyan (100%)
- Magenta (20%)
- Yellow (0%)
- Black (42%)



- Cyan (100%)
- Magenta (54%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 15.0635, 0.2071, 0.2657 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 15.0635, 0.2071, 0.2657 by changing the saturation by 10% instead.

15.0635, 0.2071,
0.2657

15.0635, 0.2071,
0.2657

223.7502, 0.2670,
0.3041

8.8640, 0.1896,
0.2532

34.9645, 0.2307,
0.2816

4.6526, 0.1658,
0.2351

49.4348, 0.2390,
0.2870

2.0449, 0.1321,
0.2071

67.4308, 0.2458,
0.2913

0.6334, 0.0477,
0.1619

89.3369, 0.2515,
0.2948

0.0000, 0.0000,
0.0000

115.5375, 0.2563,
0.2977

146.4170, 0.2604,

0.3001

182.3598, 0.2639,
0.3023

■ 15.0635, 0.2071,
0.2657

■ 15.0635, 0.2071,
0.2657

■ 15.0660, 0.2072,
0.2657

■ 15.8583, 0.2112,
0.2727

■ 16.7406, 0.2166,
0.2797

■ 17.7469, 0.2239,
0.2867

■ 18.8901, 0.2330,
0.2936

■ 20.1813, 0.2437,
0.3004

■ 21.6304, 0.2558,
0.3069

■ 23.2463, 0.2690,
0.3130

■ 25.0371, 0.2831,
0.3188

■ 27.0105, 0.2978,
0.3241

Harmonies

Analogous

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



15.0635, 0.2174, 0.3135



15.0635, 0.2071, 0.2657



15.0635, 0.2210, 0.2405

Triad

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



15.0635, 0.2071, 0.2657



15.0635, 0.3725, 0.2876



15.0635, 0.3619, 0.4368

Complementary

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



15.0635, 0.2071, 0.2657



7.0801, 0.6155, 0.3495

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.



15.0635, 0.4089, 0.4161



15.0635, 0.2071, 0.2657



15.0635, 0.4176, 0.3304

Square

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



15.0635, 0.2071, 0.2657



15.0635, 0.3123, 0.2547



15.0635, 0.4306, 0.3761



15.0635, 0.3043, 0.4228

Rectangle

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



15.0635, 0.2071, 0.2657



15.0635, 0.2431, 0.2363



15.0635, 0.4306, 0.3761



15.0635, 0.3795, 0.4331

Sweetspot

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



15.0660, 0.2072, 0.2657



41.4483, 0.2682, 0.3127



20.9438, 0.2945, 0.5803



9.2020, 0.2630, 0.3103



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



15.0660, 0.2072, 0.2657



26.7337, 0.2068, 0.2643



4.1034, 0.1630, 0.1068



6.3700, 0.2990, 0.3245



13.0977, 0.2073, 0.2661



0.2001, 0.2165, 0.2992

Inverse Universe

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



7.5106, 0.3769, 0.1850



13.4268, 0.3782, 0.1857



15.4022, 0.4873, 0.4513



5.8898, 0.3165, 0.3114



6.5156, 0.3765, 0.1848



0.0838, 0.3461, 0.1680

Previews

White Background



This preview shows how the Yxy color 15.0635, 0.2071, 0.2657 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 15.0635, 0.2071, 0.2657 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

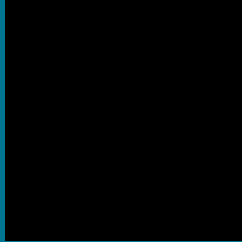
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.0635, 0.2071, 0.2657

Background



This preview shows how black text looks on a background with the Yxy color 15.0635, 0.2071, 0.2657.

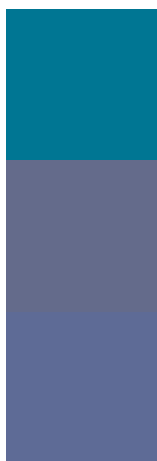


This preview shows how white text looks on a background with the Yxy color 15.0635, 0.2071, 0.2657.

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

15.0635, 0.2071, 0.2657

Protanopia

15.0888, 0.2671, 0.2656

Deuteranopia

15.0971, 0.2503, 0.2457



Tritanopia

15.0179, 0.2188, 0.3077

Trichromacy



Original Color

15.0635, 0.2071, 0.2657

Protanomaly

14.4119, 0.2314, 0.2630

Deuteranomaly

14.4995, 0.2236, 0.2499

Tritanomaly

14.9712, 0.2139, 0.2901

Monochromacy



Original Color

15.0635, 0.2071, 0.2657

Achromatopsia

9.3059, 0.3127, 0.3290

Achromatomaly

10.6303, 0.2467, 0.3032

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.0635, 0.2071, 0.2657 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, 147)` looks like.

```
.text, #text, p{  
    color:rgb(0, 118, 147)  
}
```

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, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 118, 147) }
```

Border

The CSS property to change the border of an element to Yxy 15.0635, 0.2071, 0.2657 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, 147) }
```

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

```
.border{ border-color:rgb(0, 118, 147) }
```

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, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 118, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 118, 147);  
box-shadow:4px 4px 4px 4px rgb(0, 118,  
147) }
```


Background

The CSS property to change the background color of an element to Yxy 15.0635, 0.2071, 0.2657 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, 147) }
```

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

```
.background{ background-color: rgb(0, 118,  
147) }
```

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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