

Converting Colors

$Y_{xy}(16.7815, 0.2128, 0.2786)$

Have a look what the booklet for
Yxy(16.7815, 0.2128, 0.2786)
contains.

Yxy(16.6550, 0.2126, 0.2777)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(16.6550, 0.2126, 0.2777)

Conversions

Conversions Part 1

Format	Color
Hex	0F7C94
RGB	15, 124, 148
RGB Percent	6%, 49%, 58%
CMY	0.9414, 0.5137, 0.4195
CMYK	0.90, 0.16, 0.00, 0.42
HSL	191°, 82%, 32%
HSV	191°, 90%, 58%
XYZ	12.7506, 16.6550, 30.5692
YIQ	94.1450, -72.6680, -15.6440

Conversions

Conversions Part 2

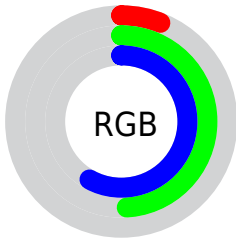
Format	Color
RYB	15, 75, 148
Decimal	1014932
CIELab	47.82, -19.14, -20.92
CIElCh	48, 28.355, 227.547
Yxy	16.6550, 0.2126, 0.2777
Android (android.graphics.Color)	4279205012 (0xFF0F7C94)
YUV	94.1450, 26.5505, -69.4102
Hunter-Lab	40.8105, -15.6488, -15.8438

Details

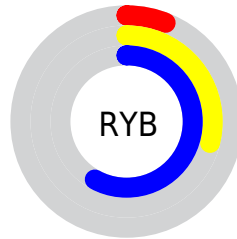
The Yxy color **16.6550, 0.2126, 0.2777** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **7.7820, 0.5901, 0.3525**, and the grayscale version is **11.1757, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.8324, 0.2348, 0.2912**, and **5.8952, 0.2053, 0.2589** is the 20% darker color. If you saturate the color by 10%, you get **15.8946, 0.2087, 0.2714**, and if you desaturate by 10%, it is **17.5057, 0.2178, 0.2841**.

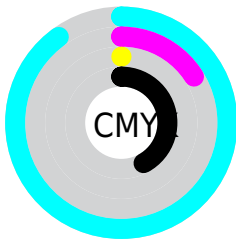
Distribution



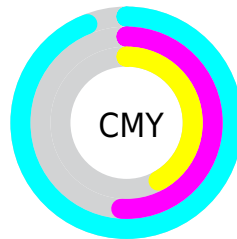
- Red (6%)
- Green (49%)
- Blue (58%)



- Red (6%)
- Yellow (29%)
- Blue (58%)



- Cyan (90%)
- Magenta (16%)
- Yellow (0%)
- Black (42%)



- Cyan (94%)
- Magenta (51%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.6550, 0.2126, 0.2777 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 16.6550, 0.2126, 0.2777 by changing the saturation by 10% instead.

■ 16.6550, 0.2126,
0.2777

■ 16.6550, 0.2126,
0.2777

■ 233.1763, 0.2689,
0.3088

■ 9.9888, 0.1964,
0.2675

■ 37.7316, 0.2346,
0.2906

■ 5.3915, 0.1743,
0.2527

■ 52.9109, 0.2424,
0.2950

■ 2.4788, 0.1431,
0.2296

■ 71.6966, 0.2488,
0.2985

■ 0.8660, 0.0797,
0.1940

■ 94.4732, 0.2541,
0.3013

■ 0.0000, 0.0000,
0.0000

■ 121.6251, 0.2587,
0.3037

■ 153.5367, 0.2625,

0.3057

190.5923, 0.2659,
0.3074

■ 16.6550, 0.2126,
0.2777

■ 16.6550, 0.2126,
0.2777

■ 15.8946, 0.2087,
0.2714

■ 17.5057, 0.2178,
0.2841

■ 15.8870, 0.2087,
0.2713

■ 18.4785, 0.2249,
0.2904

■ 19.5871, 0.2337,
0.2967

■ 20.8427, 0.2442,
0.3029

■ 22.2555, 0.2562,
0.3088

■ 23.8343, 0.2693,
0.3144

■ 25.5874, 0.2833,
0.3197

■ 27.5226, 0.2979,
0.3246

■ 29.6469, 0.3129,
0.3290

Harmonies

Analogous

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



16.6550, 0.2278, 0.3268



16.6550, 0.2126, 0.2777



16.6550, 0.2208, 0.2485

Triad

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



16.6550, 0.2126, 0.2777



16.6550, 0.3572, 0.2819



16.6550, 0.3708, 0.4288

Complementary

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



16.6550, 0.2126, 0.2777



7.7820, 0.5901, 0.3525

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.



16.6550, 0.4108, 0.4046



16.6550, 0.2126, 0.2777



16.6550, 0.4044, 0.3212

Square

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



16.6550, 0.2126, 0.2777



16.6550, 0.3001, 0.2534



16.6550, 0.4242, 0.3648



16.6550, 0.3172, 0.4231

Rectangle

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



16.6550, 0.2126, 0.2777



16.6550, 0.2388, 0.2413



16.6550, 0.4242, 0.3648



16.6550, 0.3863, 0.4234

Sweetspot

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



16.6556, 0.2126, 0.2777



42.7409, 0.2725, 0.3157



21.4228, 0.2939, 0.5659



9.5497, 0.2683, 0.3141



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.



16.6556, 0.2126, 0.2777



27.7933, 0.2084, 0.2701



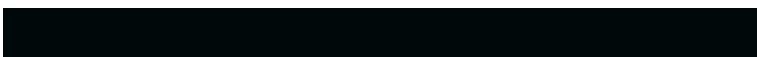
5.4000, 0.1728, 0.1310



6.3860, 0.2990, 0.3249



13.6012, 0.2088, 0.2717



0.2038, 0.2172, 0.3020

Inverse Universe

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



8.0937, 0.3650, 0.1843



13.5337, 0.3727, 0.1827



16.1662, 0.4777, 0.4485



5.8914, 0.3163, 0.3111



6.5664, 0.3712, 0.1819



0.0841, 0.3437, 0.1667

Previews

White Background



This preview shows how the Yxy color 16.6550, 0.2126, 0.2777 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 16.6550, 0.2126, 0.2777 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

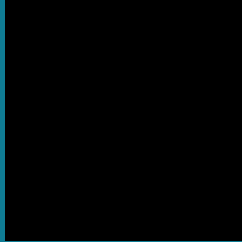
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.6550, 0.2126, 0.2777

Background



This preview shows how black text looks on a background with the Yxy color 16.6550, 0.2126, 0.2777.

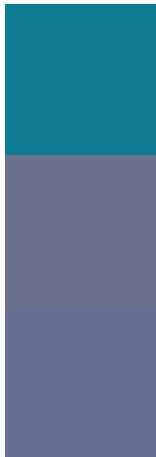


This preview shows how white text looks on a background with the Yxy color 16.6550, 0.2126, 0.2777.

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

16.6550, 0.2126, 0.2777

Protanopia

16.5782, 0.2760, 0.2770

Deuteranopia

16.4868, 0.2598, 0.2539



Tritanopia

16.6993, 0.2185, 0.3065

Trichromacy



Original Color

16.6550, 0.2126, 0.2777

Protanomaly

15.8996, 0.2415, 0.2752

Deuteranomaly

16.0324, 0.2330, 0.2604

Tritanomaly

16.5929, 0.2162, 0.2958

Monochromacy



Original Color

16.6550, 0.2126, 0.2777

Achromatopsia

11.1932, 0.3127, 0.3290

Achromatomaly

12.4419, 0.2536, 0.3073

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.6550, 0.2126, 0.2777 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(15, 124, 148)` looks like.

```
.text, #text, p{  
    color:rgb(15, 124, 148)  
}
```

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(15, 124, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(15, 124, 148) }
```

Border

The CSS property to change the border of an element to Yxy 16.6550, 0.2126, 0.2777 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(15, 124, 148) }
```

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

```
.border{ border-color:rgb(15, 124, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(15, 124, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(15, 124, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(15, 124, 148);  
box-shadow:4px 4px 4px 4px rgb(15, 124,  
148) }
```


Background

The CSS property to change the background color of an element to Yxy 16.6550, 0.2126, 0.2777 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(15, 124, 148) }
```

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

```
.background{ background-color: rgb(15, 124,  
148) }
```

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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