

Converting Colors

$Yxy(16.8355, 0.2032, 0.2876)$

Have a look what the booklet for
Yxy(16.8355, 0.2032, 0.2876)
contains.

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Color

$Y_{xy}(17.2541, 0.2134, 0.2881)$

Conversions

Conversions Part 1

Format	Color
Hex	007F92
RGB	0, 127, 146
RGB Percent	0%, 50%, 57%
CMY	0.9990, 0.5020, 0.4274
CMYK	1.00, 0.13, 0.00, 0.43
HSL	188°, 100%, 29%
HSV	188°, 100%, 57%
XYZ	12.7804, 17.2541, 29.8548
YIQ	91.1930, -81.7910, -21.0150

Conversions

Conversions Part 2

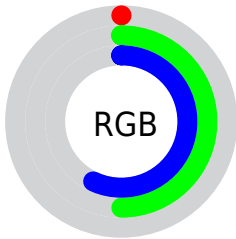
Format	Color
RYB	0, 68, 146
Decimal	32658
CIELab	48.58, -22.20, -18.59
CIELCh	49, 28.955, 219.941
Yxy	17.2541, 0.2134, 0.2881
Android (android.graphics.Color)	4278222738 (0xFF007F92)
YUV	91.1930, 27.0199, -79.9763
Hunter-Lab	41.5381, -17.7710, -13.5371

Details

The Yxy color **17.2541, 0.2134, 0.2881** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **6.5871, 0.6259, 0.3409**, and the grayscale version is **10.4765, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.7439, 0.2350, 0.2986**, and **6.2750, 0.2096, 0.2746** is the 20% darker color. If you saturate the color by 10%, you get **17.2448, 0.2133, 0.2880**, and if you desaturate by 10%, it is **17.8501, 0.2167, 0.2925**.

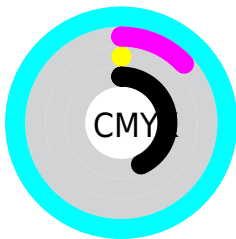
Distribution



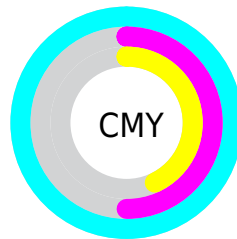
- Red (0%)
- Green (50%)
- Blue (57%)



- Red (0%)
- Yellow (27%)
- Blue (57%)



- Cyan (100%)
- Magenta (13%)
- Yellow (0%)
- Black (43%)





- Cyan (100%)
- Magenta (50%)
- Yellow (43%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 17.2541, 0.2134, 0.2881 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 17.2541, 0.2134, 0.2881 by changing the saturation by 10% instead.


 17.2541, 0.2134,
0.2881


 17.2541, 0.2134,
0.2881


 236.6325, 0.2690,
0.3133


 10.4158, 0.1974,
0.2796


 38.7621, 0.2351,
0.2987


 5.6755, 0.1757,
0.2672

 54.2007, 0.2428,
0.3022

 2.6488, 0.1449,
0.2473

 73.2748, 0.2492,
0.3050

 0.9513, 0.0821,
0.2164

 96.3689, 0.2544,
0.3073

 0.0000, 0.0000,
0.0000

 123.8673, 0.2589,
0.3092

 156.1544, 0.2628,

0.3108

193.6147, 0.2661,
0.3122

■ 17.2541, 0.2134,
0.2881

■ 17.2541, 0.2134,
0.2881

■ 17.2448, 0.2133,
0.2880

■ 17.8501, 0.2167,
0.2925

■ 18.5236, 0.2212,
0.2970

■ 19.3078, 0.2276,
0.3015

■ 20.2152, 0.2358,
0.3059

■ 21.2567, 0.2457,
0.3103

■ 22.4419, 0.2572,
0.3145

■ 23.7792, 0.2699,
0.3185

■ 25.2767, 0.2836,
0.3223

■ 26.9417, 0.2981,
0.3258

Harmonies

Analogous

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



17.2541, 0.2346, 0.3414



17.2541, 0.2134, 0.2881



17.2541, 0.2158, 0.2532

Triad

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



17.2541, 0.2134, 0.2881



17.2541, 0.3431, 0.2729



17.2541, 0.3833, 0.4258

Complementary

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



17.2541, 0.2134, 0.2881



6.5871, 0.6259, 0.3409

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.



17.2541, 0.4180, 0.3959



17.2541, 0.2134, 0.2881



17.2541, 0.3952, 0.3103

Square

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



17.2541, 0.2134, 0.2881



17.2541, 0.2861, 0.2480



17.2541, 0.4234, 0.3539



17.2541, 0.3314, 0.4290

Rectangle

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



17.2541, 0.2134, 0.2881



17.2541, 0.2301, 0.2422



17.2541, 0.4234, 0.3539



17.2541, 0.3975, 0.4181

Sweetspot

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



17.2547, 0.2134, 0.2881



41.7499, 0.2688, 0.3182



20.6038, 0.2971, 0.5893



9.0858, 0.2640, 0.3167



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



17.2547, 0.2134, 0.2881



30.2420, 0.2131, 0.2872



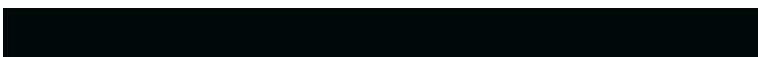
4.9174, 0.1681, 0.1250



6.4345, 0.2990, 0.3260



15.1960, 0.2134, 0.2883



0.2149, 0.2194, 0.3099

Inverse Universe

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



7.6495, 0.3560, 0.1736



13.4639, 0.3569, 0.1740



13.4474, 0.5048, 0.4372



5.8963, 0.3156, 0.3100



6.7274, 0.3559, 0.1734



0.0853, 0.3368, 0.1629

Previews

White Background



This preview shows how the Yxy color 17.2541, 0.2134, 0.2881 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 17.2541, 0.2134, 0.2881 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

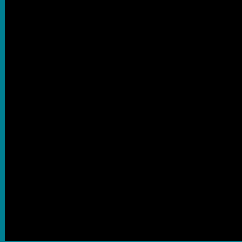
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 17.2541, 0.2134, 0.2881

Background



This preview shows how black text looks on a background with the Yxy color 17.2541, 0.2134, 0.2881.



This preview shows how white text looks on a background with the Yxy color 17.2541, 0.2134, 0.2881.

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

17.2541, 0.2134, 0.2881

Protanopia

17.1558, 0.2818, 0.2850

Deuteranopia

17.1683, 0.2674, 0.2621



Tritanopia

17.2733, 0.2186, 0.3068

Trichromacy



Original Color

17.2541, 0.2134, 0.2881

Protanomaly

16.3892, 0.2410, 0.2851

Deuteranomaly

16.3602, 0.2338, 0.2679

Tritanomaly

17.3614, 0.2168, 0.3005

Monochromacy



Original Color

17.2541, 0.2134, 0.2881

Achromatopsia

10.4616, 0.3127, 0.3290

Achromatomaly

11.9479, 0.2494, 0.3115

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.2541, 0.2134, 0.2881 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, 127, 146)` looks like.

```
.text, #text, p{  
    color:rgb(0, 127, 146)  
}
```

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, 127, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 127, 146) }
```

Border

The CSS property to change the border of an element to Yxy 17.2541, 0.2134, 0.2881 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, 127, 146) }
```

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

```
.border{ border-color:rgb(0, 127, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 127, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 127, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 127, 146);  
box-shadow:4px 4px 4px 4px rgb(0, 127,  
146) }
```


Background

The CSS property to change the background color of an element to Yxy 17.2541, 0.2134, 0.2881 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 127, 146) }
```

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

```
.background{ background-color: rgb(0, 127,  
146) }
```

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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