

Converting Colors

$Yxy(13.1698, 0.1026, 0.2487)$

Have a look what the booklet for
Yxy(13.1698, 0.1026, 0.2487)
contains.

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Color

Yxy(17.3560, 0.2070, 0.2652)

Conversions

Conversions Part 1

Format	Color
Hex	007E9D
RGB	0, 126, 157
RGB Percent	0%, 49%, 62%
CMY	1.0000, 0.5059, 0.3842
CMYK	1.00, 0.20, 0.00, 0.38
HSL	192°, 100%, 31%
HSV	192°, 100%, 62%
XYZ	13.5471, 17.3560, 34.5418
YIQ	91.8600, -85.0470, -17.0710

Conversions

Conversions Part 2

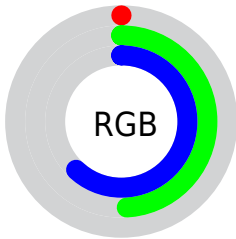
Format	Color
RYB	0, 70, 157
Decimal	32413
CIELab	48.71, -17.72, -24.84
CIELCh	49, 30.516, 234.494
Yxy	17.3560, 0.2070, 0.2652
Android (android.graphics.Color)	4278222493 (0xFF007E9D)
YUV	91.8600, 32.1140, -80.5612
Hunter-Lab	41.6605, -14.8616, -19.9965

Details

The Yxy color **17.3560, 0.2070, 0.2652** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **8.1507, 0.6163, 0.3489**, and the grayscale version is **10.6087, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.0199, 0.2296, 0.2805**, and **6.3484, 0.2007, 0.2424** is the 20% darker color. If you saturate the color by 10%, you get **17.3569, 0.2070, 0.2652**, and if you desaturate by 10%, it is **18.2701, 0.2110, 0.2722**.

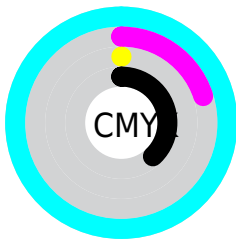
Distribution



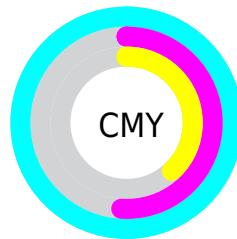
- Red (0%)
- Green (49%)
- Blue (62%)



- Red (0%)
- Yellow (27%)
- Blue (62%)



- Cyan (100%)
- Magenta (20%)
- Yellow (0%)
- Black (38%)



- Cyan (100%)
- Magenta (51%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 17.3560, 0.2070, 0.2652 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 17.3560, 0.2070, 0.2652 by changing the saturation by 10% instead.

■ 17.3560, 0.2070,
0.2652

■ 17.3560, 0.2070,
0.2652

■ 237.2156, 0.2657,
0.3031

■ 10.4886, 0.1905,
0.2533

■ 38.9369, 0.2298,
0.2807

■ 5.7241, 0.1683,
0.2365

■ 54.4191, 0.2379,
0.2859

■ 2.6781, 0.1374,
0.2111

■ 73.5418, 0.2446,
0.2902

■ 0.9661, 0.0860,
0.1718

■ 96.6894, 0.2502,
0.2937

■ 0.0000, 0.0000,
0.0000

■ 124.2461, 0.2550,
0.2966

■ 156.5965, 0.2591,

0.2991

194.1249, 0.2626,
0.3013

■ 17.3560, 0.2070,
0.2652

■ 17.3560, 0.2070,
0.2652

■ 17.3569, 0.2070,
0.2652

■ 18.2701, 0.2110,
0.2722

■ 19.2906, 0.2163,
0.2793

■ 20.4552, 0.2236,
0.2863

■ 21.7795, 0.2326,
0.2933

■ 23.2765, 0.2433,
0.3001

■ 24.9579, 0.2555,
0.3067

■ 26.8341, 0.2688,
0.3129

■ 28.9147, 0.2830,
0.3187

■ 31.2088, 0.2977,
0.3241

Harmonies

Analogous

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



17.3560, 0.2171, 0.3128



17.3560, 0.2070, 0.2652



17.3560, 0.2212, 0.2402

Triad

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



17.3560, 0.2070, 0.2652



17.3560, 0.3732, 0.2879



17.3560, 0.3614, 0.4370

Complementary

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



17.3560, 0.2070, 0.2652



8.1507, 0.6163, 0.3489

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.



17.3560, 0.4086, 0.4166



17.3560, 0.2070, 0.2652



17.3560, 0.4181, 0.3309

Square

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



17.3560, 0.2070, 0.2652



17.3560, 0.3130, 0.2550



17.3560, 0.4307, 0.3767



17.3560, 0.3036, 0.4226

Rectangle

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



17.3560, 0.2070, 0.2652



17.3560, 0.2434, 0.2362



17.3560, 0.4307, 0.3767



17.3560, 0.3790, 0.4334

Sweetspot

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



17.3569, 0.2070, 0.2652



47.8416, 0.2680, 0.3126



24.2075, 0.2947, 0.5811



10.2315, 0.2627, 0.3102



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.



17.3569, 0.2070, 0.2652



30.8043, 0.2066, 0.2639



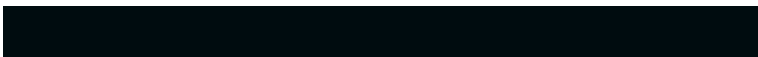
4.6924, 0.1627, 0.1058



7.2867, 0.2988, 0.3245



14.1457, 0.2072, 0.2658



0.3051, 0.2149, 0.2937

Inverse Universe

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



8.6763, 0.3774, 0.1853



15.5070, 0.3786, 0.1860



17.7469, 0.4878, 0.4509



6.7321, 0.3166, 0.3112



7.0502, 0.3769, 0.1850



0.1313, 0.3510, 0.1707

Previews

White Background



This preview shows how the Yxy color 17.3560, 0.2070, 0.2652 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 17.3560, 0.2070, 0.2652 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

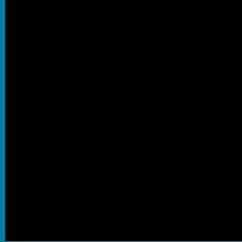
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

Yxy 17.3560, 0.2070, 0.2652

Background



This preview shows how black text looks on a background with the Yxy color 17.3560, 0.2070, 0.2652.

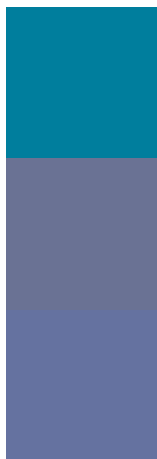


This preview shows how white text looks on a background with the Yxy color 17.3560, 0.2070, 0.2652.

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

17.3560, 0.2070, 0.2652

Protanopia

17.2369, 0.2664, 0.2653

Deuteranopia

17.3394, 0.2506, 0.2451



Tritanopia

17.2733, 0.2186, 0.3068

Trichromacy



Original Color

17.3560, 0.2070, 0.2652

Protanomaly

16.3845, 0.2303, 0.2624

Deuteranomaly

16.5501, 0.2229, 0.2484

Tritanomaly

17.2231, 0.2139, 0.2901

Monochromacy



Original Color

17.3560, 0.2070, 0.2652

Achromatopsia

10.7023, 0.3127, 0.3290

Achromatomaly

12.0914, 0.2456, 0.2998

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.3560, 0.2070, 0.2652 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, 126, 157)` looks like.

```
.text, #text, p{  
  color:rgb(0, 126, 157)  
}
```

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, 126, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 126, 157) }
```

Border

The CSS property to change the border of an element to Yxy 17.3560, 0.2070, 0.2652 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, 126, 157) }
```

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

```
.border{ border-color:rgb(0, 126, 157) }
```

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

Here you see how a box with a 4 pixel rgb(0, 126, 157) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 126, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 126, 157);  
box-shadow:4px 4px 4px 4px rgb(0, 126,  
157) }
```


Background

The CSS property to change the background color of an element to Yxy 17.3560, 0.2070, 0.2652 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 126, 157) }
```

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

```
.background{ background-color: rgb(0, 126,  
157) }
```

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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