

Converting Colors

$Yxy(17.3551, 0.2029, 0.2472)$

Have a look what the booklet for
Yxy(17.3551, 0.2029, 0.2472)
contains.

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Color

Yxy(17.4720, 0.2031, 0.2479)

Conversions

Conversions Part 1

Format	Color
Hex	087DA6
RGB	8, 125, 166
RGB Percent	3%, 49%, 65%
CMY	0.9694, 0.5098, 0.3490
CMYK	0.95, 0.25, 0.00, 0.35
HSL	196°, 91%, 34%
HSV	196°, 95%, 65%
XYZ	14.3145, 17.4720, 38.6935
YIQ	94.6910, -82.8930, -12.0530

Conversions

Conversions Part 2

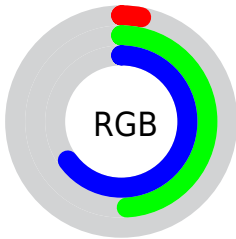
Format	Color
RYB	8, 75, 166
Decimal	556454
CIELab	48.85, -13.50, -29.85
CIELCh	49, 32.765, 245.664
Yxy	17.4720, 0.2031, 0.2479
Android (android.graphics.Color)	4278746534 (0xFF087DA6)
YUV	94.6910, 35.1553, -76.0280
Hunter-Lab	41.7995, -12.0208, -25.6247

Details

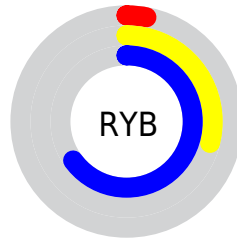
The Yxy color **17.4720, 0.2031, 0.2479** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **10.3039, 0.5918, 0.3617**, and the grayscale version is **11.2821, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.2854, 0.2267, 0.2676**, and **6.3838, 0.1948, 0.2212** is the 20% darker color. If you saturate the color by 10%, you get **16.9151, 0.2010, 0.2434**, and if you desaturate by 10%, it is **18.7343, 0.2083, 0.2574**.

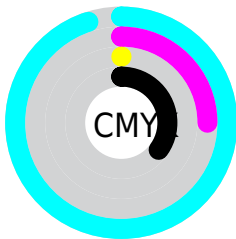
Distribution



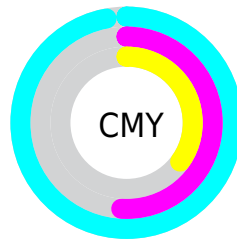
- Red (3%)
- Green (49%)
- Blue (65%)



- Red (3%)
- Yellow (29%)
- Blue (65%)



- Cyan (95%)
- Magenta (25%)
- Yellow (0%)
- Black (35%)



- Cyan (97%)
- Magenta (51%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 17.4720, 0.2031, 0.2479 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 17.4720, 0.2031, 0.2479 by changing the saturation by 10% instead.

■ 17.4720, 0.2031,
0.2479

■ 17.4720, 0.2031,
0.2479

■ 237.8779, 0.2637,
0.2950

■ 10.5716, 0.1863,
0.2338

■ 39.1355, 0.2264,
0.2667

■ 5.7796, 0.1640,
0.2144

■ 54.6675, 0.2348,
0.2732

■ 2.7115, 0.1335,
0.1863

■ 73.8453, 0.2417,
0.2785

■ 0.9830, 0.0883,
0.1443

■ 97.0536, 0.2475,
0.2830

■ 0.0000, 0.0000,
0.0000

■ 124.6765, 0.2525,
0.2867

■ 157.0987, 0.2567,

0.2898

194.7043, 0.2604,
0.2926

■ 17.4720, 0.2031,
0.2479

■ 17.4720, 0.2031,
0.2479

■ 16.9151, 0.2010,
0.2434

■ 18.7343, 0.2083,
0.2574

■ 20.1674, 0.2153,
0.2669

■ 21.7926, 0.2243,
0.2765

■ 23.6268, 0.2350,
0.2858

■ 25.6844, 0.2472,
0.2948

■ 27.9784, 0.2606,
0.3034

■ 30.5207, 0.2749,
0.3114

■ 33.3222, 0.2897,
0.3189

■ 36.3932, 0.3047,
0.3257

Harmonies

Analogous

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



17.4720, 0.2039, 0.2897



17.4720, 0.2031, 0.2479



17.4720, 0.2272, 0.2309

Triad

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



17.4720, 0.2031, 0.2479



17.4720, 0.3986, 0.3012



17.4720, 0.3416, 0.4444

Complementary

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



17.4720, 0.2031, 0.2479



10.3039, 0.5918, 0.3617

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.



17.4720, 0.3982, 0.4339



17.4720, 0.2031, 0.2479



17.4720, 0.4352, 0.3485

Square

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



17.4720, 0.2031, 0.2479



17.4720, 0.3372, 0.2617



17.4720, 0.4339, 0.3962



17.4720, 0.2802, 0.4137

Rectangle

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



17.4720, 0.2031, 0.2479



17.4720, 0.2563, 0.2324



17.4720, 0.4339, 0.3962



17.4720, 0.3618, 0.4451

Sweetspot

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



17.4726, 0.2031, 0.2479



53.3790, 0.2687, 0.3081



27.5306, 0.2905, 0.5610



11.5260, 0.2629, 0.3047



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



17.4726, 0.2031, 0.2479



30.3413, 0.2005, 0.2417



4.8651, 0.1619, 0.0983



8.1981, 0.2987, 0.3230



13.1953, 0.2012, 0.2443



0.3968, 0.2099, 0.2755

Inverse Universe

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



9.7572, 0.3940, 0.1970



17.2720, 0.4005, 0.1980



23.1614, 0.4665, 0.4640



7.6329, 0.3175, 0.3124



7.4031, 0.3979, 0.1966



0.1878, 0.3677, 0.1799

Previews

White Background



This preview shows how the Yxy color 17.4720, 0.2031, 0.2479 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 17.4720, 0.2031, 0.2479 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 17.4720, 0.2031, 0.2479

Background



This preview shows how black text looks on a background with the Yxy color 17.4720, 0.2031, 0.2479.

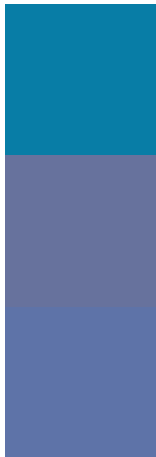


This preview shows how white text looks on a background with the Yxy color 17.4720, 0.2031, 0.2479.

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

17.4720, 0.2031, 0.2479

Protanopia

17.3525, 0.2551, 0.2502

Deuteranopia

17.4683, 0.2383, 0.2337



Tritanopia

17.5355, 0.2192, 0.3090

Trichromacy



Original Color

17.4720, 0.2031, 0.2479

Protanomaly

16.7239, 0.2249, 0.2473

Deuteranomaly

17.0404, 0.2179, 0.2377

Tritanomaly

17.5958, 0.2133, 0.2865

Monochromacy



Original Color

17.4720, 0.2031, 0.2479

Achromatopsia

11.4435, 0.3127, 0.3290

Achromatomaly

12.7453, 0.2456, 0.2938

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.4720, 0.2031, 0.2479 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(8, 125, 166)` looks like.

```
.text, #text, p{  
    color:rgb(8, 125, 166)  
}
```

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(8, 125, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(8, 125, 166) }
```

Border

The CSS property to change the border of an element to Yxy 17.4720, 0.2031, 0.2479 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(8, 125, 166) }
```

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

```
.border{ border-color:rgb(8, 125, 166) }
```

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

Here you see how a box with a 4 pixel rgb(8, 125, 166) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(8, 125, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(8, 125, 166);  
box-shadow:4px 4px 4px 4px rgb(8, 125,  
166) }
```


Background

The CSS property to change the background color of an element to Yxy 17.4720, 0.2031, 0.2479 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(8, 125, 166) }
```

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

```
.background{ background-color: rgb(8, 125,  
166) }
```

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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