

Converting Colors

$Yxy(18.4364, 0.1724, 0.2554)$

Have a look what the booklet for
Yxy(18.4364, 0.1724, 0.2554)
contains.

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Color

$Y_{xy}(20.2682, 0.2056, 0.2603)$

Conversions

Conversions Part 1

Format	Color
Hex	0087AB
RGB	0, 135, 171
RGB Percent	0%, 53%, 67%
CMY	1.0000, 0.4705, 0.3295
CMYK	1.00, 0.21, 0.00, 0.33
HSL	193°, 100%, 34%
HSV	193°, 100%, 67%
XYZ	16.0090, 20.2682, 41.5876
YIQ	98.7390, -92.0160, -17.4240

Conversions

Conversions Part 2

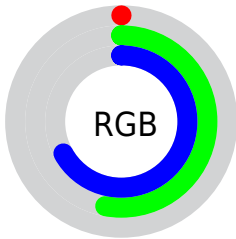
Format	Color
RYB	0, 75, 171
Decimal	34731
CIELab	52.14, -17.57, -27.63
CIELCh	52, 32.745, 237.541
Yxy	20.2682, 0.2056, 0.2603
Android (android.graphics.Color)	4278224811 (0xFF0087AB)
YUV	98.7390, 35.6247, -86.5941
Hunter-Lab	45.0202, -15.3115, -23.2552

Details

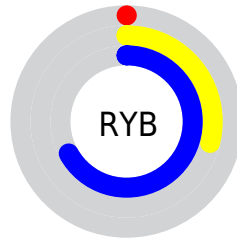
The Yxy color **20.2682, 0.2056, 0.2603** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **9.9159, 0.6149, 0.3500**, and the grayscale version is **12.3364, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.6816, 0.2277, 0.2761**, and **7.8289, 0.1992, 0.2371** is the 20% darker color. If you saturate the color by 10%, you get **20.2717, 0.2057, 0.2603**, and if you desaturate by 10%, it is **21.4126, 0.2096, 0.2679**.

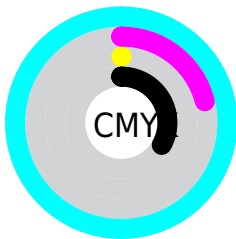
Distribution



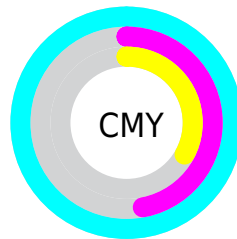
- Red (0%)
- Green (53%)
- Blue (67%)



- Red (0%)
- Yellow (29%)
- Blue (67%)



- Cyan (100%)
- Magenta (21%)
- Yellow (0%)
- Black (33%)





- Cyan (100%)
- Magenta (47%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.2682, 0.2056, 0.2603 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 20.2682, 0.2056, 0.2603 by changing the saturation by 10% instead.


 20.2682, 0.2056,
0.2603


 20.2682, 0.2056,
0.2603


 253.3634, 0.2636,
0.3000


 12.5902, 0.1899,
0.2485


 43.8664, 0.2277,
0.2761

 7.1469, 0.1692,
0.2322


 60.5553, 0.2357,
0.2816


 3.5542, 0.1412,
0.2085

 81.0166, 0.2423,
0.2861

 1.4274, 0.1024,
0.1723

 105.6348, 0.2479,
0.2898

 0.2368, 0.0000,
0.0785

 134.7941, 0.2527,
0.2930

 0.0000, 0.0000,
0.0000

 168.8791, 0.2569,

0.2957

208.2740, 0.2605,
0.2980

■ 20.2682, 0.2056,
0.2603

■ 20.2682, 0.2056,
0.2603

■ 20.2717, 0.2057,
0.2603

■ 21.4126, 0.2096,
0.2679

■ 22.6911, 0.2151,
0.2755

■ 24.1489, 0.2225,
0.2831

■ 25.8051, 0.2317,
0.2906

■ 27.6761, 0.2426,
0.2980

■ 29.7764, 0.2549,
0.3050

■ 32.1189, 0.2684,
0.3117

■ 34.7155, 0.2827,
0.3180

■ 37.5775, 0.2976,
0.3237

Harmonies

Analogous

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



20.2682, 0.2132, 0.3066



20.2682, 0.2056, 0.2603



20.2682, 0.2224, 0.2374

Triad

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



20.2682, 0.2056, 0.2603



20.2682, 0.3801, 0.2913



20.2682, 0.3564, 0.4395

Complementary

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



20.2682, 0.2056, 0.2603



9.9159, 0.6149, 0.3500

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.



20.2682, 0.4063, 0.4214



20.2682, 0.2056, 0.2603



20.2682, 0.4231, 0.3355

Square

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



20.2682, 0.2056, 0.2603



20.2682, 0.3192, 0.2565



20.2682, 0.4321, 0.3819



20.2682, 0.2974, 0.4208

Rectangle

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



20.2682, 0.2056, 0.2603



20.2682, 0.2465, 0.2349



20.2682, 0.4321, 0.3819



20.2682, 0.3748, 0.4369

Sweetspot

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



20.2717, 0.2057, 0.2603



57.3020, 0.2677, 0.3114



29.2360, 0.2942, 0.5792



12.3856, 0.2620, 0.3087



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



20.2717, 0.2057, 0.2603



35.9964, 0.2053, 0.2590



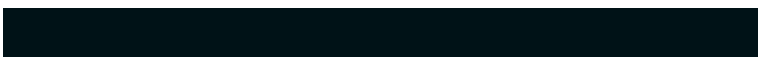
5.3331, 0.1613, 0.1007



8.7817, 0.2986, 0.3241



15.3629, 0.2059, 0.2611



0.4982, 0.2122, 0.2839

Inverse Universe

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



10.4057, 0.3821, 0.1879



18.6082, 0.3834, 0.1886



22.0141, 0.4840, 0.4539



8.1188, 0.3168, 0.3113



7.8539, 0.3814, 0.1875



0.2256, 0.3599, 0.1756

Previews

White Background



This preview shows how the Yxy color 20.2682, 0.2056, 0.2603 looks on a white 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

Black Background



This preview shows how the Yxy color 20.2682, 0.2056, 0.2603 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

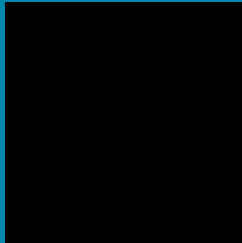
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.2682, 0.2056, 0.2603

Background



This preview shows how black text looks on a background with the Yxy color 20.2682, 0.2056, 0.2603.

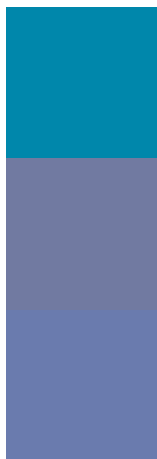


This preview shows how white text looks on a background with the Yxy color 20.2682, 0.2056, 0.2603.

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

20.2682, 0.2056, 0.2603

Protanopia

20.0030, 0.2633, 0.2607

Deuteranopia

20.2861, 0.2466, 0.2420

Trichromacy



Original Color

20.2682, 0.2056, 0.2603

Protanomaly

19.2731, 0.2282, 0.2579

Deuteranomaly

19.3892, 0.2203, 0.2448

Monochromacy



Original Color

20.2682, 0.2056, 0.2603

Achromatopsia

12.4772, 0.3127, 0.3290

Achromatomaly

14.1258, 0.2447, 0.2993

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.2682, 0.2056, 0.2603 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, 135, 171)` looks like.

```
.text, #text, p{  
  color:rgb(0, 135, 171)  
}
```

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, 135, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 135, 171) }
```

Border

The CSS property to change the border of an element to Yxy 20.2682, 0.2056, 0.2603 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, 135, 171) }
```

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

```
.border{ border-color:rgb(0, 135, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 135, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 135, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 135, 171);  
box-shadow:4px 4px 4px 4px rgb(0, 135,  
171) }
```

Background

The CSS property to change the background color of an element to Yxy 20.2682, 0.2056, 0.2603 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 135, 171) }
```

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

```
.background{ background-color: rgb(0, 135,  
171) }
```

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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