

Converting Colors

$Yxy(19.8301, 0.1996, 0.2386)$

Have a look what the booklet for
Yxy(19.8301, 0.1996, 0.2386)
contains.

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Color

Yxy(19.8387, 0.1997, 0.2387)

Conversions

Conversions Part 1

Format	Color
Hex	0184B5
RGB	1, 132, 181
RGB Percent	0%, 52%, 71%
CMY	0.9978, 0.4824, 0.2902
CMYK	1.00, 0.27, 0.00, 0.29
HSL	196°, 99%, 36%
HSV	196°, 100%, 71%
XYZ	16.5974, 19.8387, 46.6754
YIQ	98.4170, -93.8050, -12.5330

Conversions

Conversions Part 2

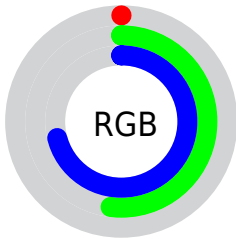
Format	Color
RYB	1, 77, 181
Decimal	99509
CIELab	51.65, -12.14, -34.16
CIElCh	52, 36.250, 250.430
Yxy	19.8387, 0.1997, 0.2387
Android (android.graphics.Color)	4278289589 (0xFF0184B5)
YUV	98.4170, 40.7134, -85.4347
Hunter-Lab	44.5407, -11.4310, -30.9532

Details

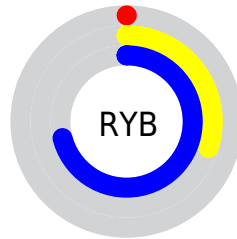
The Yxy color **19.8387, 0.1997, 0.2387** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **12.0718, 0.6018, 0.3599**, and the grayscale version is **12.2012, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.1395, 0.2227, 0.2587**, and **7.7450, 0.1926, 0.2135** is the 20% darker color. If you saturate the color by 10%, you get **19.7945, 0.1996, 0.2384**, and if you desaturate by 10%, it is **21.3360, 0.2044, 0.2487**.

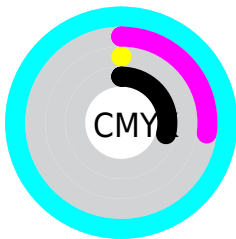
Distribution



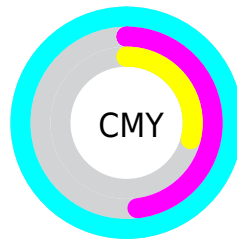
- Red (0%)
- Green (52%)
- Blue (71%)



- Red (0%)
- Yellow (30%)
- Blue (71%)



- Cyan (100%)
- Magenta (27%)
- Yellow (0%)
- Black (29%)



- Cyan (100%)
- Magenta (48%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.8387, 0.1997, 0.2387 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 19.8387, 0.1997, 0.2387 by changing the saturation by 10% instead.

■ 19.8387, 0.1997,
0.2387

■ 19.8387, 0.1997,
0.2387

■ 251.0406, 0.2607,
0.2896

■ 12.2778, 0.1834,
0.2243

■ 43.1466, 0.2228,
0.2585

■ 6.9332, 0.1622,
0.2049

■ 59.6624, 0.2312,
0.2656

■ 3.4204, 0.1339,
0.1778

■ 79.9320, 0.2382,
0.2714

■ 1.3549, 0.0957,
0.1390

■ 104.3398, 0.2441,
0.2762

■ 0.1831, 0.0000,
0.0476

■ 133.2702, 0.2492,
0.2803

■ 0.0000, 0.0000,
0.0000

■ 167.1075, 0.2536,

0.2838

206.2361, 0.2574,
0.2869

■ 19.8387, 0.1997,
0.2387

■ 19.8387, 0.1997,
0.2387

■ 19.7945, 0.1996,
0.2384

■ 21.3360, 0.2044,
0.2487

■ 23.0187, 0.2107,
0.2588

■ 24.9316, 0.2190,
0.2690

■ 27.0970, 0.2292,
0.2790

■ 29.5343, 0.2409,
0.2887

■ 32.2604, 0.2540,
0.2980

■ 35.2907, 0.2681,
0.3068

■ 38.6393, 0.2829,
0.3149

■ 42.3193, 0.2980,
0.3224

Harmonies

Analogous

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



19.8387, 0.1963, 0.2782



19.8387, 0.1997, 0.2387



19.8387, 0.2289, 0.2252

Triad

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



19.8387, 0.1997, 0.2387



19.8387, 0.4123, 0.3069



19.8387, 0.3323, 0.4498

Complementary

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



19.8387, 0.1997, 0.2387



12.0718, 0.6018, 0.3599

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.



19.8387, 0.3942, 0.4440



19.8387, 0.1997, 0.2387



19.8387, 0.4451, 0.3570

Square

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



19.8387, 0.1997, 0.2387



19.8387, 0.3496, 0.2638



19.8387, 0.4368, 0.4066



19.8387, 0.2684, 0.4103

Rectangle

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



19.8387, 0.1997, 0.2387



19.8387, 0.2617, 0.2293



19.8387, 0.4368, 0.4066



19.8387, 0.3540, 0.4527

Sweetspot

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



19.8394, 0.1997, 0.2387



62.7368, 0.2669, 0.3061



33.2744, 0.2907, 0.5664



13.0628, 0.2610, 0.3025



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



19.8394, 0.1997, 0.2387



35.0507, 0.1991, 0.2368



5.0437, 0.1574, 0.0863



9.2333, 0.2986, 0.3227



13.7640, 0.1999, 0.2396



0.5238, 0.2076, 0.2675

Inverse Universe

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



11.5027, 0.4036, 0.1999



20.5294, 0.4056, 0.2008



28.2638, 0.4672, 0.4670



8.6065, 0.3178, 0.3126



7.9296, 0.4027, 0.1992



0.2587, 0.3752, 0.1841

Previews

White Background



This preview shows how the Yxy color 19.8387, 0.1997, 0.2387 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 19.8387, 0.1997, 0.2387 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

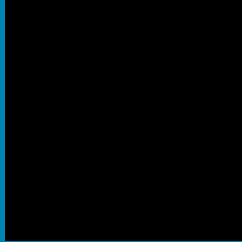
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.8387, 0.1997, 0.2387

Background



This preview shows how black text looks on a background with the Yxy color 19.8387, 0.1997, 0.2387.

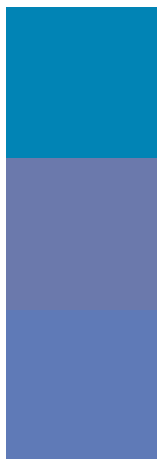


This preview shows how white text looks on a background with the Yxy color 19.8387, 0.1997, 0.2387.

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

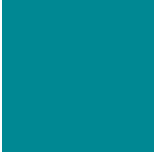
19.8452, 0.1998, 0.2388

Protanopia

19.7791, 0.2484, 0.2415

Deuteranopia

19.7709, 0.2310, 0.2258



Tritanopia

19.7149, 0.2183, 0.3059

Trichromacy



Original Color

19.8452, 0.1998, 0.2388

Protanomaly

18.9913, 0.2189, 0.2381

Deuteranomaly

19.2912, 0.2118, 0.2292

Tritanomaly

19.8311, 0.2114, 0.2809

Monochromacy



Original Color

19.8452, 0.1998, 0.2388

Achromatopsia

12.2139, 0.3127, 0.3290

Achromatomaly

13.7671, 0.2412, 0.2882

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.8387, 0.1997, 0.2387 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(1, 132, 181)` looks like.

```
.text, #text, p{  
    color:rgb(1, 132, 181)  
}
```

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(1, 132, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 132, 181) }
```

Border

The CSS property to change the border of an element to Yxy 19.8387, 0.1997, 0.2387 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(1, 132, 181) }
```

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

```
.border{ border-color:rgb(1, 132, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 132, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 132, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 132, 181);  
box-shadow:4px 4px 4px 4px rgb(1, 132,  
181) }
```


Background

The CSS property to change the background color of an element to Yxy 19.8387, 0.1997, 0.2387 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 132, 181) }
```

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

```
.background{ background-color: rgb(1, 132,  
181) }
```

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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