

Converting Colors

$Yxy(18.9976, 0.1950, 0.2148)$

Have a look what the booklet for
Yxy(18.9976, 0.1950, 0.2148)
contains.

Yxy(19.0788, 0.1953, 0.2158)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(19.0788, 0.1953, 0.2158)

Conversions

Conversions Part 1

Format	Color
Hex	137FBF
RGB	19, 127, 191
RGB Percent	7%, 50%, 75%
CMY	0.9243, 0.5020, 0.2510
CMYK	0.90, 0.34, 0.00, 0.25
HSL	202°, 82%, 41%
HSV	202°, 90%, 75%
XYZ	17.2664, 19.0788, 52.0644
YIQ	102.0040, -84.9120, -2.9920

Conversions

Conversions Part 2

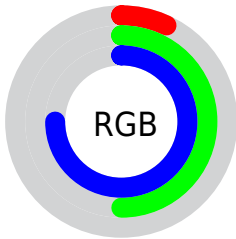
Format	Color
R_{YB}	19, 85, 191
Decimal	1277887
CIE _{Lab}	50.78, -4.66, -41.26
CIE _{LCh}	51, 41.521, 263.549
Yxy	19.0788, 0.1953, 0.2158
Android (android.graphics.Color)	4279467967 (0xFF137FBF)
YUV	102.0040, 43.8750, -72.7945
Hunter-Lab	43.6793, -5.8778, -40.0965

Details

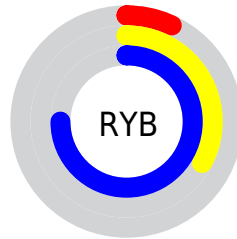
The Yxy color **19.0788, 0.1953, 0.2158** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **17.3620, 0.5523, 0.3878**, and the grayscale version is **13.2124, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.7268, 0.2191, 0.2386**, and **7.2549, 0.1848, 0.1852** is the 20% darker color. If you saturate the color by 10%, you get **17.1643, 0.1894, 0.2019**, and if you desaturate by 10%, it is **21.2627, 0.2030, 0.2300**.

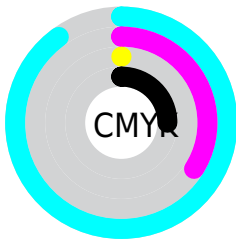
Distribution



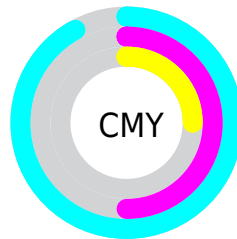
- Red (7%)
- Green (50%)
- Blue (75%)



- Red (7%)
- Yellow (33%)
- Blue (75%)



- Cyan (90%)
- Magenta (34%)
- Yellow (0%)
- Black (25%)



- Cyan (92%)
- Magenta (50%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.0788, 0.1953, 0.2158 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 19.0788, 0.1953, 0.2158 by changing the saturation by 10% instead.

■ 19.0788, 0.1953,
0.2158

■ 19.0788, 0.1953,
0.2158

■ 246.8834, 0.2587,
0.2779

■ 11.7272, 0.1786,
0.1990

■ 41.8672, 0.2192,
0.2395

■ 6.5582, 0.1569,
0.1771

■ 58.0728, 0.2279,
0.2480

■ 3.1874, 0.1284,
0.1478

■ 77.9986, 0.2352,
0.2552

■ 1.2303, 0.0910,
0.1083

■ 102.0289, 0.2414,
0.2612

■ 0.0863, 0.0000,
0.0180

■ 130.5482, 0.2467,
0.2663

■ 0.0000, 0.0000,
0.0000

■ 163.9407, 0.2512,

0.2707

202.5910, 0.2552,
0.2745

■ 19.0788, 0.1953,
0.2158

■ 19.0788, 0.1953,
0.2158

■ 17.1643, 0.1894,
0.2019

■ 21.2627, 0.2030,
0.2300

■ 17.1437, 0.1894,
0.2017

■ 23.7653, 0.2127,
0.2444

■ 26.6148, 0.2243,
0.2586

■ 29.8346, 0.2374,
0.2724

■ 33.4459, 0.2517,
0.2856

■ 37.4676, 0.2667,
0.2979

■ 41.9172, 0.2821,
0.3093

■ 46.8111, 0.2976,
0.3197

■ 52.1647, 0.3129,
0.3291

Harmonies

Analogous

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



19.0788, 0.1787, 0.2460



19.0788, 0.1953, 0.2158



19.0788, 0.2398, 0.2132

Triad

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



19.0788, 0.1953, 0.2158



19.0788, 0.4505, 0.3265



19.0788, 0.3005, 0.4577

Complementary

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



19.0788, 0.1953, 0.2158



17.3620, 0.5523, 0.3878

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.



19.0788, 0.3748, 0.4712



19.0788, 0.1953, 0.2158



19.0788, 0.4668, 0.3837

Square

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



19.0788, 0.1953, 0.2158



19.0788, 0.3895, 0.2742



19.0788, 0.4365, 0.4376



19.0788, 0.2335, 0.3907

Rectangle

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



19.0788, 0.1953, 0.2158



19.0788, 0.2839, 0.2248



19.0788, 0.4365, 0.4376



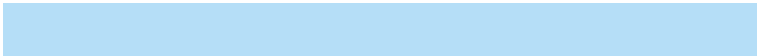
19.0788, 0.3255, 0.4688

Sweetspot

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



19.0794, 0.1953, 0.2158



68.9899, 0.2705, 0.3008



38.0181, 0.2809, 0.5226



14.5700, 0.2652, 0.2967



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



19.0794, 0.1953, 0.2158



30.2214, 0.1888, 0.1996



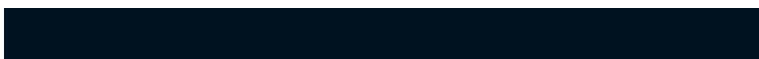
5.5741, 0.1595, 0.0846



10.1953, 0.2985, 0.3202



11.4246, 0.1899, 0.2036



0.5691, 0.1992, 0.2370

Inverse Universe

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



13.0854, 0.4267, 0.2185



22.2086, 0.4457, 0.2229



39.1715, 0.4393, 0.4829



9.6343, 0.3193, 0.3147



8.1830, 0.4412, 0.2204



0.3328, 0.4053, 0.2007

Previews

White Background



This preview shows how the Yxy color 19.0788, 0.1953, 0.2158 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 19.0788, 0.1953, 0.2158 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 19.0788, 0.1953, 0.2158

Background



This preview shows how black text looks on a background with the Yxy color 19.0788, 0.1953, 0.2158.



This preview shows how white text looks on a background with the Yxy color 19.0788, 0.1953, 0.2158.

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

19.0788, 0.1953, 0.2158

Protanopia

18.9172, 0.2313, 0.2193

Deuteranopia

19.1447, 0.2134, 0.2084



Tritanopia

19.0638, 0.2188, 0.3076

Trichromacy



Original Color

19.0788, 0.1953, 0.2158

Protanomaly

18.4851, 0.2118, 0.2157

Deuteranomaly

18.8415, 0.2039, 0.2101

Tritanomaly

18.8510, 0.2089, 0.2690

Monochromacy



Original Color

19.0788, 0.1953, 0.2158

Achromatopsia

13.2868, 0.3127, 0.3290

Achromatomaly

14.4678, 0.2444, 0.2793

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.0788, 0.1953, 0.2158 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(19, 127, 191)` looks like.

```
.text, #text, p{  
  color:rgb(19, 127, 191)  
}
```

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(19, 127, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 127, 191) }
```

Border

The CSS property to change the border of an element to Yxy 19.0788, 0.1953, 0.2158 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(19, 127, 191) }
```

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

```
.border{ border-color:rgb(19, 127, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(19, 127, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 127, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 127, 191);  
box-shadow:4px 4px 4px 4px rgb(19, 127,  
191) }
```


Background

The CSS property to change the background color of an element to Yxy 19.0788, 0.1953, 0.2158 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 127, 191) }
```

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

```
.background{ background-color: rgb(19, 127,  
191) }
```

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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