

Converting Colors

$Y_{xy}(20.0019, 0.1908, 0.1998)$

Have a look what the booklet for
Yxy(20.0019, 0.1908, 0.1998)
contains.

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Color

Yxy(20.0540, 0.1908, 0.1996)

Conversions

Conversions Part 1

Format	Color
Hex	1580CE
RGB	21, 128, 206
RGB Percent	8%, 50%, 81%
CMY	0.9171, 0.4980, 0.1922
CMYK	0.90, 0.38, 0.00, 0.19
HSL	205°, 81%, 45%
HSV	205°, 90%, 81%
XYZ	19.1699, 20.0540, 61.2471
YIQ	104.8990, -88.8100, 1.5740

Conversions

Conversions Part 2

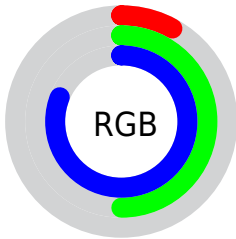
Format	Color
R _Y B	21, 89, 206
Decimal	1409230
CIE Lab	51.90, 0.56, -48.03
CIE LCh	52, 48.034, 270.665
Yxy	20.0540, 0.1908, 0.1996
Android (android.graphics.Color)	4279599310 (0xFF1580CE)
YUV	104.8990, 49.8428, -73.5794
Hunter-Lab	44.7817, -1.9568, -49.7426

Details

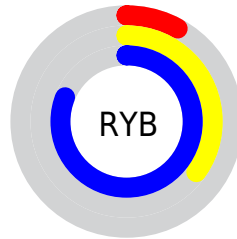
The Yxy color **20.0540, 0.1908, 0.1996** is a dark color, and the websafe version is hex **0099FF**. The color can be described as dark washed azure. A complement of this color would be **22.1239, 0.5408, 0.3980**, and the grayscale version is **13.9898, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.8056, 0.2183, 0.2331**, and **7.9717, 0.1807, 0.1703** is the 20% darker color. If you saturate the color by 10%, you get **17.7261, 0.1845, 0.1839**, and if you desaturate by 10%, it is **22.7457, 0.1991, 0.2158**.

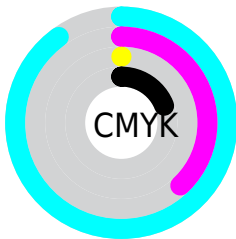
Distribution



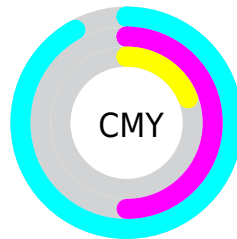
- Red (8%)
- Green (50%)
- Blue (81%)



- Red (8%)
- Yellow (35%)
- Blue (81%)



- Cyan (90%)
- Magenta (38%)
- Yellow (0%)
- Black (19%)



- Cyan (92%)
- Magenta (50%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.0540, 0.1908, 0.1996 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 20.0540, 0.1908, 0.1996 by changing the saturation by 10% instead.

■ 20.0540, 0.1908,
0.1996

■ 20.0540, 0.1908,
0.1996

252.2073, 0.2557,
0.2684

■ 12.4343, 0.1741,
0.1820

■ 43.5077, 0.2149,
0.2251

■ 7.0402, 0.1529,
0.1596

■ 60.1105, 0.2239,
0.2346

■ 3.4872, 0.1256,
0.1308

■ 80.4764, 0.2314,
0.2426

■ 1.3911, 0.0904,
0.0938

■ 104.9899, 0.2377,
0.2493

■ 0.2101, 0.0300,
0.0296

■ 134.0354, 0.2432,
0.2551

■ 0.0000, 0.0000,
0.0000

167.9972, 0.2479,

0.2601

207.2597, 0.2521,
0.2645

■ 20.0540, 0.1908,
0.1996

■ 20.0540, 0.1908,
0.1996

■ 17.7261, 0.1845,
0.1839

■ 22.7457, 0.1991,
0.2158

■ 17.6684, 0.1843,
0.1835

■ 25.8582, 0.2096,
0.2322

■ 29.4268, 0.2219,
0.2486

■ 33.4814, 0.2358,
0.2645

■ 38.0486, 0.2507,
0.2796

■ 43.1526, 0.2663,
0.2937

■ 48.8157, 0.2821,
0.3067

■ 55.0589, 0.2978,
0.3186

■ 61.9018, 0.3131,
0.3293

Harmonies

Analogous

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



20.0540, 0.1656, 0.2240



20.0540, 0.1908, 0.1996



20.0540, 0.2466, 0.2038

Triad

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



20.0540, 0.1908, 0.1996



20.0540, 0.4787, 0.3389



20.0540, 0.2777, 0.4644

Complementary

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



20.0540, 0.1908, 0.1996



22.1239, 0.5408, 0.3980

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.



20.0540, 0.3609, 0.4935



20.0540, 0.1908, 0.1996



20.0540, 0.4819, 0.4021

Square

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



20.0540, 0.1908, 0.1996



20.0540, 0.4197, 0.2799



20.0540, 0.4358, 0.4612



20.0540, 0.2087, 0.3760

Rectangle

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



20.0540, 0.1908, 0.1996



20.0540, 0.2997, 0.2203



20.0540, 0.4358, 0.4612



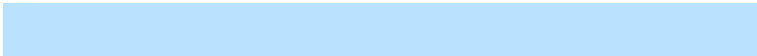
20.0540, 0.3050, 0.4823

Sweetspot

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



20.0546, 0.1908, 0.1996



72.0438, 0.2700, 0.2969



45.1843, 0.2770, 0.5088



14.7708, 0.2646, 0.2923



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



20.0546, 0.1908, 0.1996



28.2153, 0.1838, 0.1817



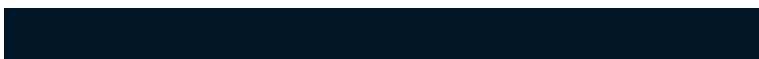
5.9116, 0.1573, 0.0769



11.9030, 0.2983, 0.3190



11.0763, 0.1850, 0.1858



0.7197, 0.1935, 0.2166

Inverse Universe

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



15.2205, 0.4445, 0.2284



23.3795, 0.4665, 0.2344



50.2570, 0.4306, 0.4904



11.3206, 0.3201, 0.3157



8.9212, 0.4617, 0.2317



0.4752, 0.4269, 0.2125

Previews

White Background



This preview shows how the Yxy color 20.0540, 0.1908, 0.1996 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 20.0540, 0.1908, 0.1996 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

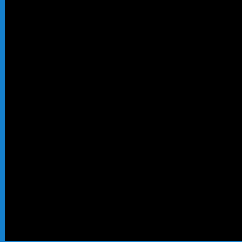
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.0540, 0.1908, 0.1996

Background



This preview shows how black text looks on a background with the Yxy color 20.0540, 0.1908, 0.1996.



This preview shows how white text looks on a background with the Yxy color 20.0540, 0.1908, 0.1996.

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

20.0540, 0.1908, 0.1996

Protanopia

19.8318, 0.2188, 0.2024

Deuteranopia

20.0441, 0.2015, 0.1955



Tritanopia

19.9979, 0.2189, 0.3080

Trichromacy



Original Color

20.0540, 0.1908, 0.1996

Protanomaly

19.5884, 0.2036, 0.1995

Deuteranomaly

19.8252, 0.1957, 0.1953

Tritanomaly

19.9290, 0.2073, 0.2633

Monochromacy



Original Color

20.0540, 0.1908, 0.1996

Achromatopsia

14.1263, 0.3127, 0.3290

Achromatomaly

15.2591, 0.2412, 0.2688

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.0540, 0.1908, 0.1996 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(21, 128, 206)` looks like.

```
.text, #text, p{  
    color:rgb(21, 128, 206)  
}
```

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(21, 128, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(21, 128, 206) }
```

Border

The CSS property to change the border of an element to Yxy 20.0540, 0.1908, 0.1996 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(21, 128, 206) }
```

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

```
.border{ border-color:rgb(21, 128, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(21, 128, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(21, 128, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(21, 128, 206);  
box-shadow:4px 4px 4px 4px rgb(21, 128,  
206) }
```


Background

The CSS property to change the background color of an element to Yxy 20.0540, 0.1908, 0.1996 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(21, 128, 206) }
```

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

```
.background{ background-color: rgb(21, 128,  
206) }
```

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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