

Converting Colors

$Y_{xy}(19.7806, 0.2050, 0.2411)$

Have a look what the booklet for
Yxy(19.7806, 0.2050, 0.2411)
contains.

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Color

Yxy(19.7943, 0.2049, 0.2407)

Conversions

Conversions Part 1

Format	Color
Hex	2083B3
RGB	32, 131, 179
RGB Percent	13%, 51%, 70%
CMY	0.8745, 0.4863, 0.2980
CMYK	0.82, 0.27, 0.00, 0.30
HSL	200°, 70%, 41%
HSV	200°, 82%, 70%
XYZ	16.8502, 19.7943, 45.5919
YIQ	106.8710, -74.4120, -6.0600

Conversions

Conversions Part 2

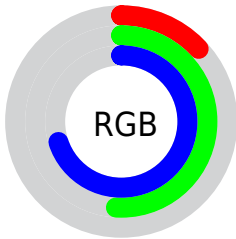
Format	Color
R_{YB}	32, 91, 179
Decimal	2130867
CIE _{Lab}	51.60, -10.51, -33.07
CIE _{LCh}	52, 34.698, 252.364
Yxy	19.7943, 0.2049, 0.2407
Android (android.graphics.Color)	4280320947 (0xFF2083B3)
YUV	106.8710, 35.5596, -65.6619
Hunter-Lab	44.4908, -10.2546, -29.6138

Details

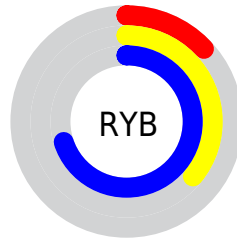
The Yxy color **19.7943, 0.2049, 0.2407** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **15.4327, 0.5383, 0.3824**, and the grayscale version is **14.5817, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.1039, 0.2271, 0.2602**, and **7.5409, 0.1929, 0.2145** is the 20% darker color. If you saturate the color by 10%, you get **18.0552, 0.1983, 0.2284**, and if you desaturate by 10%, it is **21.7791, 0.2135, 0.2531**.

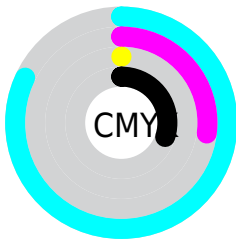
Distribution



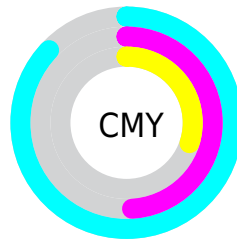
- Red (13%)
- Green (51%)
- Blue (70%)



- Red (13%)
- Yellow (36%)
- Blue (70%)



- Cyan (82%)
- Magenta (27%)
- Yellow (0%)
- Black (30%)



- Cyan (87%)
- Magenta (49%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.7943, 0.2049, 0.2407 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 19.7943, 0.2049, 0.2407 by changing the saturation by 10% instead.

■ 19.7943, 0.2049,
0.2407

■ 19.7943, 0.2049,
0.2407

■ 250.7994, 0.2634,
0.2904

■ 12.2456, 0.1891,
0.2266

■ 43.0720, 0.2271,
0.2601

■ 6.9112, 0.1685,
0.2076

■ 59.5699, 0.2352,
0.2669

■ 3.4066, 0.1406,
0.1810

■ 79.8196, 0.2419,
0.2726

■ 1.3475, 0.1026,
0.1424

■ 104.2055, 0.2475,
0.2773

■ 0.1776, 0.0000,
0.0487

■ 133.1120, 0.2524,
0.2814

■ 0.0000, 0.0000,
0.0000

■ 166.9236, 0.2565,

0.2848

206.0246, 0.2602,
0.2878

■ 19.7943, 0.2049,
0.2407

■ 19.7943, 0.2049,
0.2407

■ 18.0552, 0.1983,
0.2284

■ 21.7791, 0.2135,
0.2531

■ 16.8194, 0.1941,
0.2188

■ 24.0311, 0.2240,
0.2654

■ 26.5709, 0.2362,
0.2774

■ 29.4160, 0.2496,
0.2889

■ 32.5824, 0.2640,
0.2997

■ 36.0847, 0.2790,
0.3097

■ 39.9363, 0.2943,
0.3190

■ 44.1499, 0.3095,
0.3273

■ 48.7374, 0.3245,
0.3349

Harmonies

Analogous

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



19.7943, 0.2000, 0.2774



19.7943, 0.2049, 0.2407



19.7943, 0.2347, 0.2290

Triad

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



19.7943, 0.2049, 0.2407



19.7943, 0.4112, 0.3110



19.7943, 0.3278, 0.4432

Complementary

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



19.7943, 0.2049, 0.2407



15.4327, 0.5383, 0.3824

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.



19.7943, 0.3878, 0.4409



19.7943, 0.2049, 0.2407



19.7943, 0.4403, 0.3597

Square

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



19.7943, 0.2049, 0.2407



19.7943, 0.3524, 0.2686



19.7943, 0.4302, 0.4070



19.7943, 0.2668, 0.4029

Rectangle

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



19.7943, 0.2049, 0.2407



19.7943, 0.2674, 0.2338



19.7943, 0.4302, 0.4070



19.7943, 0.3487, 0.4471

Sweetspot

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



19.7950, 0.2049, 0.2407



62.4706, 0.2740, 0.3065



33.1145, 0.2831, 0.5176



13.3581, 0.2688, 0.3030



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.



19.7950, 0.2049, 0.2407



29.9601, 0.1941, 0.2181



6.6867, 0.1705, 0.1107



9.1543, 0.2986, 0.3214



12.0046, 0.1945, 0.2203



0.4786, 0.2039, 0.2542

Inverse Universe

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



12.2585, 0.3996, 0.2111



19.6491, 0.4252, 0.2120



32.1698, 0.4409, 0.4713



8.5986, 0.3186, 0.3138



7.7520, 0.4230, 0.2104



0.2541, 0.3881, 0.1912

Previews

White Background



This preview shows how the Yxy color 19.7943, 0.2049, 0.2407 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 19.7943, 0.2049, 0.2407 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

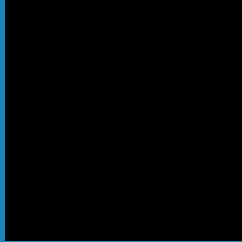
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.7943, 0.2049, 0.2407

Background



This preview shows how black text looks on a background with the Yxy color 19.7943, 0.2049, 0.2407.

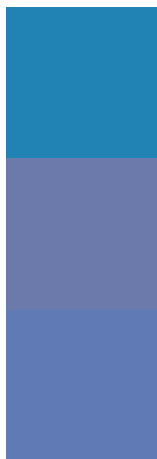


This preview shows how white text looks on a background with the Yxy color 19.7943, 0.2049, 0.2407.

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

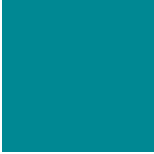
19.7943, 0.2049, 0.2407

Protanopia

19.7408, 0.2492, 0.2429

Deuteranopia

19.7421, 0.2331, 0.2287



Tritanopia

19.7149, 0.2183, 0.3059

Trichromacy



Original Color

19.7943, 0.2049, 0.2407

Protanomaly

19.4287, 0.2270, 0.2412

Deuteranomaly

19.3790, 0.2190, 0.2317

Tritanomaly

19.6316, 0.2122, 0.2790

Monochromacy



Original Color

19.7943, 0.2049, 0.2407

Achromatopsia

14.7027, 0.3127, 0.3290

Achromatomaly

15.8897, 0.2543, 0.2931

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.7943, 0.2049, 0.2407 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(32, 131, 179)` looks like.

```
.text, #text, p{  
  color:rgb(32, 131, 179)  
}
```

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(32, 131, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(32, 131, 179) }
```

Border

The CSS property to change the border of an element to Yxy 19.7943, 0.2049, 0.2407 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(32, 131, 179) }
```

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

```
.border{ border-color:rgb(32, 131, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(32, 131, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(32, 131, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(32, 131, 179);  
box-shadow:4px 4px 4px 4px rgb(32, 131,  
179) }
```


Background

The CSS property to change the background color of an element to Yxy 19.7943, 0.2049, 0.2407 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(32, 131, 179) }
```

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

```
.background{ background-color: rgb(32, 131,  
179) }
```

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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