

Converting Colors

$Y_{xy}(19.6970, 0.1948, 0.1938)$

Have a look what the booklet for
Yxy(19.6970, 0.1948, 0.1938)
contains.

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Color

Yxy(19.8256, 0.1947, 0.1940)

Conversions

Conversions Part 1

Format	Color
Hex	2F7DD0
RGB	47, 125, 208
RGB Percent	18%, 49%, 82%
CMY	0.8153, 0.5099, 0.1842
CMYK	0.77, 0.40, 0.00, 0.18
HSL	211°, 63%, 50%
HSV	211°, 77%, 82%
XYZ	19.8971, 19.8256, 62.4711
YIQ	111.1400, -73.1310, 9.2770

Conversions

Conversions Part 2

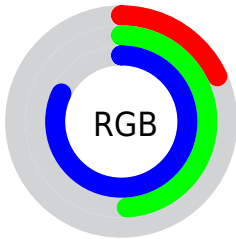
Format	Color
R _Y B	47, 100, 208
Decimal	3112400
CIE Lab	51.64, 5.34, -49.57
CIE LCh	52, 49.856, 276.143
Yxy	19.8256, 0.1947, 0.1940
Android (android.graphics.Color)	4281302480 (0xFF2F7DD0)
YUV	111.1400, 47.7520, -56.2508
Hunter-Lab	44.5259, 1.8452, -52.0173

Details

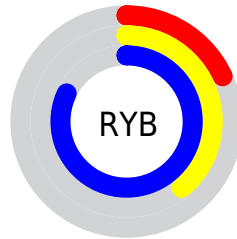
The Yxy color **19.8256, 0.1947, 0.1940** is a dark color, and the websafe version is hex **3399FF**. The color can be described as dark washed azure. A complement of this color would be **29.6257, 0.4881, 0.4187**, and the grayscale version is **15.8222, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.3773, 0.2227, 0.2303**, and **7.6077, 0.1781, 0.1613** is the 20% darker color. If you saturate the color by 10%, you get **16.8705, 0.1847, 0.1744**, and if you desaturate by 10%, it is **23.3113, 0.2070, 0.2142**.

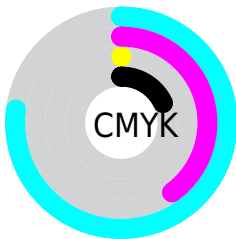
Distribution



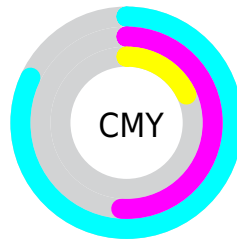
- Red (18%)
- Green (49%)
- Blue (82%)



- Red (18%)
- Yellow (39%)
- Blue (82%)



- Cyan (77%)
- Magenta (40%)
- Yellow (0%)
- Black (18%)



- Cyan (82%)
- Magenta (51%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.8256, 0.1947, 0.1940 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 19.8256, 0.1947, 0.1940 by changing the saturation by 10% instead.

■ 19.8256, 0.1947,
0.1940

■ 19.8256, 0.1947,
0.1940

■ 250.9694, 0.2579,
0.2651

■ 12.2683, 0.1784,
0.1761

■ 43.1246, 0.2183,
0.2202

■ 6.9267, 0.1575,
0.1535

■ 59.6351, 0.2270,
0.2300

■ 3.4163, 0.1306,
0.1247

■ 79.8988, 0.2343,
0.2382

■ 1.3527, 0.0957,
0.0883

■ 104.3002, 0.2405,
0.2452

■ 0.1815, 0.0406,
0.0244

■ 133.2235, 0.2458,
0.2512

■ 0.0000, 0.0000,
0.0000

167.0532, 0.2503,

0.2564

206.1737, 0.2544,
0.2610

■ 19.8256, 0.1947,
0.1940

■ 19.8256, 0.1947,
0.1940

■ 16.8705, 0.1847,
0.1744

■ 23.3113, 0.2070,
0.2142

■ 14.3945, 0.1771,
0.1558

■ 27.3642, 0.2211,
0.2343

■ 13.8002, 0.1753,
0.1511

■ 32.0186, 0.2366,
0.2538

■ 37.3052, 0.2528,
0.2723

■ 43.2518, 0.2693,
0.2895

■ 49.8844, 0.2856,
0.3053

■ 57.2277, 0.3015,
0.3195

■ 65.3045, 0.3167,
0.3322

■ 74.1370, 0.3310,
0.3435

Harmonies

Analogous

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



19.8256, 0.1632, 0.2129



19.8256, 0.1947, 0.1940



19.8256, 0.2578, 0.2033

Triad

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



19.8256, 0.1947, 0.1940



19.8256, 0.4905, 0.3501



19.8256, 0.2610, 0.4573

Complementary

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



19.8256, 0.1947, 0.1940



29.6257, 0.4881, 0.4187

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.



19.8256, 0.3461, 0.5009



19.8256, 0.1947, 0.1940



19.8256, 0.4825, 0.4154

Square

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



19.8256, 0.1947, 0.1940



19.8256, 0.4389, 0.2883



19.8256, 0.4270, 0.4748



19.8256, 0.1949, 0.3586

Rectangle

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



19.8256, 0.1947, 0.1940



19.8256, 0.3158, 0.2231



19.8256, 0.4270, 0.4748



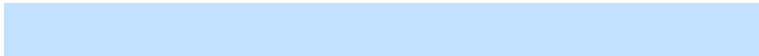
19.8256, 0.2884, 0.4804

Sweetspot

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



19.8262, 0.1947, 0.1940



72.7094, 0.2760, 0.2961



47.2802, 0.2685, 0.4598



14.7641, 0.2700, 0.2902



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.



19.8262, 0.1947, 0.1940



24.0183, 0.1794, 0.1617



7.2041, 0.1674, 0.0888



12.3484, 0.2982, 0.3167



8.7902, 0.1760, 0.1536



0.6501, 0.1855, 0.1877

Inverse Universe

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



16.9361, 0.4473, 0.2464



23.3707, 0.4900, 0.2508



58.7464, 0.4116, 0.4924



11.9022, 0.3216, 0.3178



8.9586, 0.5012, 0.2535



0.5169, 0.4595, 0.2305

Previews

White Background



This preview shows how the Yxy color 19.8256, 0.1947, 0.1940 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 19.8256, 0.1947, 0.1940 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

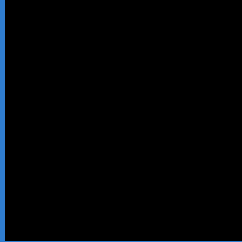
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

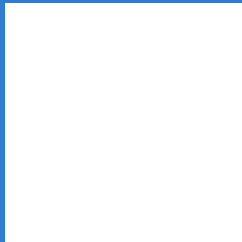
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 19.8256, 0.1947, 0.1940

Background



This preview shows how black text looks on a background with the Yxy color 19.8256, 0.1947, 0.1940.



This preview shows how white text looks on a background with the Yxy color 19.8256, 0.1947, 0.1940.

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

19.8256, 0.1947, 0.1940

Protanopia

19.8194, 0.2141, 0.1971

Deuteranopia

19.8992, 0.1985, 0.1937



Tritanopia

19.6836, 0.2189, 0.3079

Trichromacy



Original Color

19.8256, 0.1947, 0.1940

Protanomaly

19.7433, 0.2053, 0.1956

Deuteranomaly

19.7816, 0.1970, 0.1932

Tritanomaly

19.4863, 0.2069, 0.2577

Monochromacy



Original Color

19.8256, 0.1947, 0.1940

Achromatopsia

15.8961, 0.3127, 0.3290

Achromatomaly

16.6408, 0.2506, 0.2697

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.8256, 0.1947, 0.1940 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(47, 125, 208)` looks like.

```
.text, #text, p{  
    color:rgb(47, 125, 208)  
}
```

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(47, 125, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 125, 208) }
```

Border

The CSS property to change the border of an element to Yxy 19.8256, 0.1947, 0.1940 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(47, 125, 208) }
```

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

```
.border{ border-color:rgb(47, 125, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(47, 125, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 125, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 125, 208);  
box-shadow:4px 4px 4px 4px rgb(47, 125,  
208) }
```


Background

The CSS property to change the background color of an element to Yxy 19.8256, 0.1947, 0.1940 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 125, 208) }
```

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

```
.background{ background-color: rgb(47, 125,  
208) }
```

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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