

Converting Colors

$Y_{xy}(20.4786, 0.1983, 0.1984)$

Have a look what the booklet for
Yxy(20.4786, 0.1983, 0.1984)
contains.

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Color

$Y_{xy}(20.5450, 0.1983, 0.1982)$

Conversions

Conversions Part 1

Format	Color
Hex	377FD0
RGB	55, 127, 208
RGB Percent	22%, 50%, 82%
CMY	0.7838, 0.5020, 0.1843
CMYK	0.73, 0.39, 0.00, 0.18
HSL	212°, 62%, 52%
HSV	212°, 73%, 82%
XYZ	20.5554, 20.5450, 62.5576
YIQ	114.7060, -68.9130, 9.9270

Conversions

Conversions Part 2

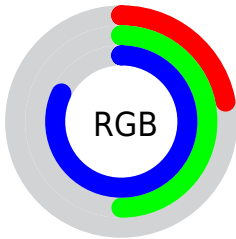
Format	Color
R_{YB}	55, 104, 208
Decimal	3637200
CIE Lab	52.45, 5.09, -48.25
CIE LCh	52, 48.520, 276.020
Yxy	20.5450, 0.1983, 0.1982
Android (android.graphics.Color)	4281827280 (0xFF377FD0)
YUV	114.7060, 45.9939, -52.3622
Hunter-Lab	45.3266, 1.6273, -50.1006

Details

The Yxy color **20.5450, 0.1983, 0.1982** is a dark color, and the websafe version is hex **3399FF**. The color can be described as dark muted azure. A complement of this color would be **31.3387, 0.4758, 0.4196**, and the grayscale version is **16.9356, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.5251, 0.2257, 0.2335**, and **7.8919, 0.1794, 0.1656** is the 20% darker color. If you saturate the color by 10%, you get **17.3823, 0.1872, 0.1778**, and if you desaturate by 10%, it is **24.2681, 0.2116, 0.2189**.

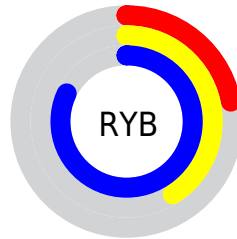
Distribution



Red (22%)

Green (50%)

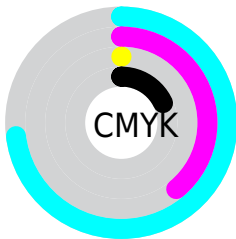
Blue (82%)



Red (22%)

Yellow (41%)

Blue (82%)

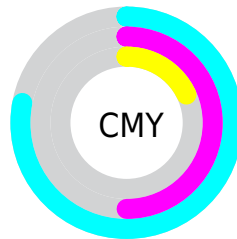


Cyan (73%)

Magenta (39%)

Yellow (0%)

Black (18%)



Cyan (78%)

Magenta (50%)

Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.5450, 0.1983, 0.1982 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 20.5450, 0.1983, 0.1982 by changing the saturation by 10% instead.

■ 20.5450, 0.1983,
0.1982

■ 20.5450, 0.1983,
0.1982

254.8504, 0.2595,
0.2670

■ 12.7918, 0.1825,
0.1808

■ 44.3290, 0.2211,
0.2236

■ 7.2854, 0.1622,
0.1588

■ 61.1287, 0.2295,
0.2330

■ 3.6412, 0.1359,
0.1306

■ 81.7127, 0.2366,
0.2410

■ 1.4749, 0.1015,
0.0946

■ 106.4653, 0.2426,
0.2477

■ 0.2710, 0.0500,
0.0355

■ 135.7710, 0.2477,
0.2536

■ 0.0000, 0.0000,
0.0000

170.0141, 0.2522,

0.2586

209.5792, 0.2560,
0.2631

■ 20.5450, 0.1983,
0.1982

■ 20.5450, 0.1983,
0.1982

■ 17.3823, 0.1872,
0.1778

■ 24.2681, 0.2116,
0.2189

■ 14.7347, 0.1786,
0.1585

■ 28.5869, 0.2265,
0.2394

■ 13.2456, 0.1741,
0.1466

■ 33.5352, 0.2425,
0.2591

■ 39.1431, 0.2590,
0.2777

■ 45.4384, 0.2755,
0.2948

■ 52.4472, 0.2918,
0.3104

■ 60.1939, 0.3074,
0.3245

■ 68.7019, 0.3223,
0.3370

■ 77.9932, 0.3363,
0.3480

Harmonies

Analogous

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



20.5450, 0.1676, 0.2171



20.5450, 0.1983, 0.1982



20.5450, 0.2596, 0.2070

Triad

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



20.5450, 0.1983, 0.1982



20.5450, 0.4839, 0.3500



20.5450, 0.2636, 0.4520

Complementary

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



20.5450, 0.1983, 0.1982



31.3387, 0.4758, 0.4196

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.



20.5450, 0.3461, 0.4940



20.5450, 0.1983, 0.1982



20.5450, 0.4771, 0.4134

Square

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



20.5450, 0.1983, 0.1982



20.5450, 0.4338, 0.2898



20.5450, 0.4241, 0.4701



20.5450, 0.1992, 0.3582

Rectangle

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



20.5450, 0.1983, 0.1982



20.5450, 0.3156, 0.2263



20.5450, 0.4241, 0.4701



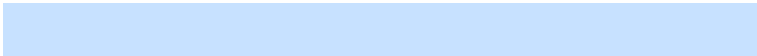
20.5450, 0.2902, 0.4740

Sweetspot

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



20.5457, 0.1983, 0.1982



73.3439, 0.2776, 0.2969



47.6534, 0.2674, 0.4479



15.0806, 0.2730, 0.2924



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.



20.5457, 0.1983, 0.1982



25.1339, 0.1821, 0.1669



8.1898, 0.1742, 0.0985



12.3208, 0.2982, 0.3164



8.4454, 0.1748, 0.1491



0.6305, 0.1844, 0.1838

Inverse Universe

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



17.6876, 0.4412, 0.2500



23.9988, 0.4825, 0.2508



58.4337, 0.4068, 0.4897



11.8994, 0.3218, 0.3181



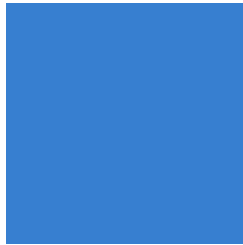
8.9238, 0.5071, 0.2567



0.5149, 0.4641, 0.2330

Previews

White Background



This preview shows how the Yxy color 20.5450, 0.1983, 0.1982 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 20.5450, 0.1983, 0.1982 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 20.5450, 0.1983, 0.1982

Background



This preview shows how black text looks on a background with the Yxy color 20.5450, 0.1983, 0.1982.



This preview shows how white text looks on a background with the Yxy color 20.5450, 0.1983, 0.1982.

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

20.5450, 0.1983, 0.1982

Protanopia

20.5062, 0.2173, 0.2011

Deuteranopia

20.4146, 0.2023, 0.1964



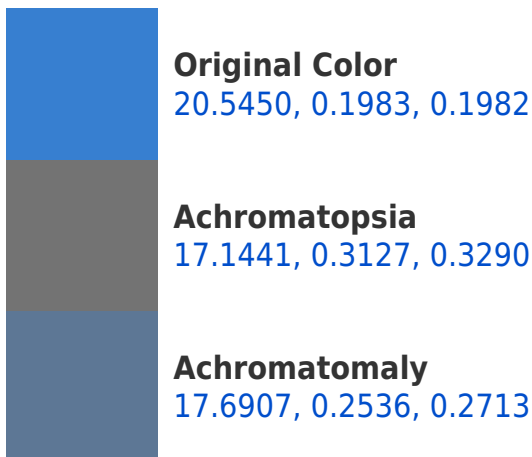
Tritanopia

20.3469, 0.2184, 0.3062

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.5450, 0.1983, 0.1982 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(55, 127, 208)` looks like.

```
.text, #text, p{  
    color:rgb(55, 127, 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(55, 127, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 127, 208) }
```

Border

The CSS property to change the border of an element to Yxy 20.5450, 0.1983, 0.1982 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(55, 127, 208) }
```

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

```
.border{ border-color:rgb(55, 127, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(55, 127, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 127, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 127, 208);  
box-shadow:4px 4px 4px 4px rgb(55, 127,  
208) }
```


Background

The CSS property to change the background color of an element to Yxy 20.5450, 0.1983, 0.1982 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 127, 208) }
```

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

```
.background{ background-color: rgb(55, 127,  
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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