

Converting Colors

$Y_{xy}(20.2765, 0.2121, 0.2385)$

Have a look what the booklet for
Yxy(20.2765, 0.2121, 0.2385)
contains.

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Color

Yxy(20.1422, 0.2118, 0.2377)

Conversions

Conversions Part 1

Format	Color
Hex	3882B5
RGB	56, 130, 181
RGB Percent	22%, 51%, 71%
CMY	0.7808, 0.4901, 0.2903
CMYK	0.69, 0.28, 0.00, 0.29
HSL	204°, 53%, 46%
HSV	204°, 69%, 71%
XYZ	17.9475, 20.1422, 46.6482
YIQ	113.6880, -60.4750, 0.1730

Conversions

Conversions Part 2

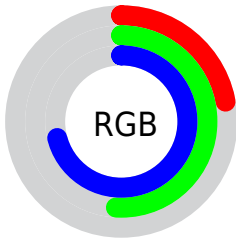
Format	Color
R _Y B	56, 102, 181
Decimal	3703477
CIE Lab	52.00, -6.24, -33.54
CIE LCh	52, 34.111, 259.458
Yxy	20.1422, 0.2118, 0.2377
Android (android.graphics.Color)	4281893557 (0xFF3882B5)
YUV	113.6880, 33.1848, -50.5924
Hunter-Lab	44.8801, -7.1582, -30.2098

Details

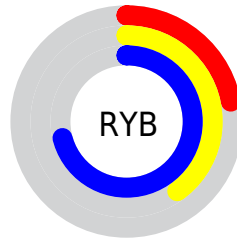
The Yxy color **20.1422, 0.2118, 0.2377** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **20.5905, 0.4811, 0.3961**, and the grayscale version is **16.6334, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.7633, 0.2330, 0.2577**, and **7.4434, 0.1911, 0.2080** is the 20% darker color. If you saturate the color by 10%, you get **17.8213, 0.2014, 0.2220**, and if you desaturate by 10%, it is **22.7934, 0.2240, 0.2533**.

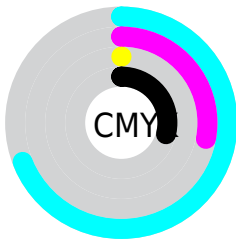
Distribution



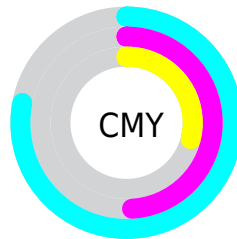
- Red (22%)
- Green (51%)
- Blue (71%)



- Red (22%)
- Yellow (40%)
- Blue (71%)



- Cyan (69%)
- Magenta (28%)
- Yellow (0%)
- Black (29%)



- Cyan (78%)
- Magenta (49%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.1422, 0.2118, 0.2377 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 20.1422, 0.2118, 0.2377 by changing the saturation by 10% instead.

■ 20.1422, 0.2118,
0.2377

■ 20.1422, 0.2118,
0.2377

■ 252.6839, 0.2667,
0.2884

■ 12.4985, 0.1969,
0.2235

■ 43.6555, 0.2327,
0.2573

■ 7.0841, 0.1774,
0.2046

■ 60.2938, 0.2403,
0.2643

■ 3.5148, 0.1508,
0.1783

■ 80.6990, 0.2465,
0.2701

■ 1.4060, 0.1140,
0.1406

■ 105.2557, 0.2518,
0.2750

■ 0.2211, 0.0147,
0.0561

■ 134.3481, 0.2564,
0.2791

■ 0.0000, 0.0000,
0.0000

168.3607, 0.2603,

0.2826

207.6778, 0.2637,
0.2857

■ 20.1422, 0.2118,
0.2377

■ 20.1422, 0.2118,
0.2377

■ 17.8213, 0.2014,
0.2220

■ 22.7934, 0.2240,
0.2533

■ 15.8043, 0.1931,
0.2064

■ 25.7939, 0.2377,
0.2683

■ 14.0493, 0.1866,
0.1913

■ 29.1633, 0.2524,
0.2827

■ 13.9029, 0.1861,
0.1899

■ 32.9188, 0.2678,
0.2961

■ 37.0762, 0.2833,
0.3084

■ 41.6505, 0.2988,
0.3197

■ 46.6556, 0.3140,
0.3298

■ 52.1047, 0.3287,
0.3389

■ 58.0105, 0.3427,
0.3469

Harmonies

Analogous

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



20.1422, 0.2011, 0.2679



20.1422, 0.2118, 0.2377



20.1422, 0.2467, 0.2316

Triad

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



20.1422, 0.2118, 0.2377



20.1422, 0.4189, 0.3225



20.1422, 0.3130, 0.4347

Complementary

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



20.1422, 0.2118, 0.2377



20.5905, 0.4811, 0.3961

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.



20.1422, 0.3735, 0.4424



20.1422, 0.2118, 0.2377



20.1422, 0.4385, 0.3707

Square

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



20.1422, 0.2118, 0.2377



20.1422, 0.3667, 0.2787



20.1422, 0.4203, 0.4152



20.1422, 0.2554, 0.3870

Rectangle

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



20.1422, 0.2118, 0.2377



20.1422, 0.2819, 0.2394



20.1422, 0.4203, 0.4152



20.1422, 0.3336, 0.4420

Sweetspot

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



20.1429, 0.2118, 0.2377



64.6921, 0.2799, 0.3058



34.9172, 0.2769, 0.4661



13.5401, 0.2756, 0.3025



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.



20.1429, 0.2118, 0.2377



29.9566, 0.1967, 0.2137



8.3553, 0.1852, 0.1284



9.0392, 0.2986, 0.3195



9.7252, 0.1866, 0.1918



0.4172, 0.1984, 0.2343

Inverse Universe

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



14.2512, 0.3993, 0.2324



21.4795, 0.4278, 0.2251



38.2863, 0.4155, 0.4699



8.5869, 0.3198, 0.3156



7.5219, 0.4547, 0.2278



0.2479, 0.4082, 0.2022

Previews

White Background



This preview shows how the Yxy color 20.1422, 0.2118, 0.2377 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 20.1422, 0.2118, 0.2377 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

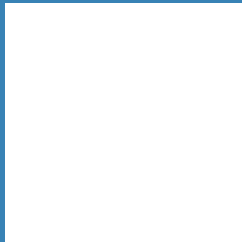
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 20.1422, 0.2118, 0.2377

Background



This preview shows how black text looks on a background with the Yxy color 20.1422, 0.2118, 0.2377.

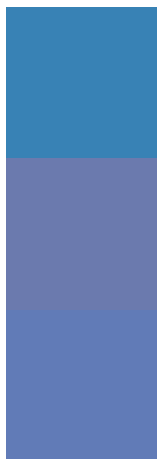


This preview shows how white text looks on a background with the Yxy color 20.1422, 0.2118, 0.2377.

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

20.1422, 0.2118, 0.2377

Protanopia

20.1009, 0.2472, 0.2404

Deuteranopia

20.1262, 0.2329, 0.2280



Tritanopia

20.0220, 0.2243, 0.3062

Trichromacy



Original Color

20.1422, 0.2118, 0.2377

Protanomaly

19.9163, 0.2307, 0.2381

Deuteranomaly

20.0929, 0.2239, 0.2320

Tritanomaly

20.0248, 0.2194, 0.2798

Monochromacy



Original Color

20.1422, 0.2118, 0.2377

Achromatopsia

16.8269, 0.3127, 0.3290

Achromatomaly

17.5951, 0.2635, 0.2932

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.1422, 0.2118, 0.2377 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(56, 130, 181)` looks like.

```
.text, #text, p{  
    color:rgb(56, 130, 181)  
}
```

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(56, 130, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 130, 181) }
```

Border

The CSS property to change the border of an element to Yxy 20.1422, 0.2118, 0.2377 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(56, 130, 181) }
```

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

```
.border{ border-color:rgb(56, 130, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 130, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 130, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 130, 181);  
box-shadow:4px 4px 4px 4px rgb(56, 130,  
181) }
```


Background

The CSS property to change the background color of an element to Yxy 20.1422, 0.2118, 0.2377 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 130, 181) }
```

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

```
.background{ background-color: rgb(56, 130,  
181) }
```

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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