

Converting Colors

$Y_{xy}(22.2342, 0.2014, 0.2119)$

Have a look what the booklet for
Yxy(22.2342, 0.2014, 0.2119)
contains.

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Color

$\text{Yxy}(22.2633, 0.2013, 0.2121)$

Conversions

Conversions Part 1

Format	Color
Hex	3586CE
RGB	53, 134, 206
RGB Percent	21%, 53%, 81%
CMY	0.7925, 0.4745, 0.1922
CMYK	0.74, 0.35, 0.00, 0.19
HSL	208°, 61%, 51%
HSV	208°, 74%, 81%
XYZ	21.1297, 22.2633, 61.5731
YIQ	117.9890, -71.3880, 5.2200

Conversions

Conversions Part 2

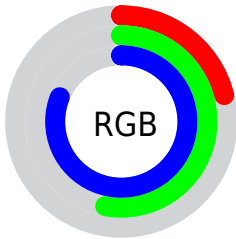
Format	Color
R _Y B	53, 106, 206
Decimal	3507918
CIE Lab	54.31, -0.15, -44.17
CIE LCh	54, 44.173, 269.808
Yxy	22.2633, 0.2013, 0.2121
Android (android.graphics.Color)	4281697998 (0xFF3586CE)
YUV	117.9890, 43.3894, -56.9954
Hunter-Lab	47.1840, -2.6372, -44.3421

Details

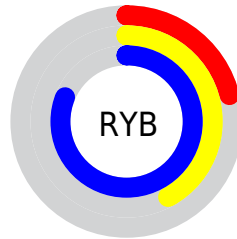
The Yxy color **22.2633, 0.2013, 0.2121** is a dark color, and the websafe version is hex **6699CC**. The color can be described as dark muted azure. A complement of this color would be **28.0193, 0.4882, 0.4094**, and the grayscale version is **17.9853, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.6826, 0.2268, 0.2438**, and **8.7314, 0.1838, 0.1817** is the 20% darker color. If you saturate the color by 10%, you get **19.2651, 0.1912, 0.1939**, and if you desaturate by 10%, it is **25.7479, 0.2135, 0.2305**.

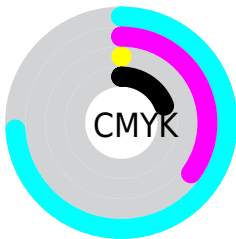
Distribution



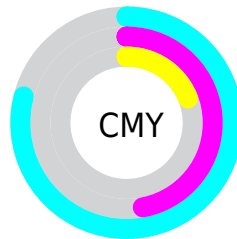
- Red (21%)
- Green (53%)
- Blue (81%)



- Red (21%)
- Yellow (42%)
- Blue (81%)



- Cyan (74%)
- Magenta (35%)
- Yellow (0%)
- Black (19%)



- Cyan (79%)
- Magenta (47%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.2633, 0.2013, 0.2121 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 22.2633, 0.2013, 0.2121 by changing the saturation by 10% instead.

■ 22.2633, 0.2013,
0.2121

■ 22.2633, 0.2013,
0.2121

■ 263.9182, 0.2603,
0.2741

■ 14.0505, 0.1861,
0.1961

■ 47.1808, 0.2232,
0.2351

■ 8.1558, 0.1666,
0.1757

■ 64.6543, 0.2314,
0.2437

■ 4.1948, 0.1412,
0.1490

■ 85.9834, 0.2382,
0.2508

■ 1.7831, 0.1078,
0.1138

■ 111.5527, 0.2440,
0.2569

■ 0.4766, 0.0585,
0.0620

■ 141.7464, 0.2489,
0.2621

■ 0.0000, 0.0000,
0.0000

176.9489, 0.2532,

0.2666

217.5447, 0.2570,
0.2706

■ 22.2633, 0.2013,
0.2121

■ 22.2633, 0.2013,
0.2121

■ 19.2651, 0.1912,
0.1939

■ 25.7479, 0.2135,
0.2305

■ 16.7113, 0.1833,
0.1763

■ 29.7505, 0.2275,
0.2486

■ 15.4209, 0.1796,
0.1667

■ 34.3014, 0.2426,
0.2660

■ 39.4275, 0.2584,
0.2824

■ 45.1538, 0.2745,
0.2976

■ 51.5032, 0.2905,
0.3115

■ 58.4975, 0.3062,
0.3240

■ 66.1570, 0.3212,
0.3352

■ 74.5015, 0.3354,
0.3451

Harmonies

Analogous

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



22.2633, 0.1787, 0.2363



22.2633, 0.2013, 0.2121



22.2633, 0.2519, 0.2148

Triad

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



22.2633, 0.2013, 0.2121



22.2633, 0.4596, 0.3382



22.2633, 0.2848, 0.4489

Complementary

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



22.2633, 0.2013, 0.2121



28.0193, 0.4882, 0.4094

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.



22.2633, 0.3600, 0.4747



22.2633, 0.2013, 0.2121



22.2633, 0.4654, 0.3960

Square

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



22.2633, 0.2013, 0.2121



22.2633, 0.4059, 0.2839



22.2633, 0.4266, 0.4481



22.2633, 0.2213, 0.3735

Rectangle

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



22.2633, 0.2013, 0.2121



22.2633, 0.2995, 0.2295



22.2633, 0.4266, 0.4481



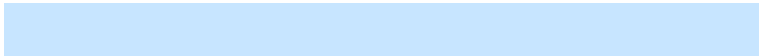
22.2633, 0.3096, 0.4642

Sweetspot

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



22.2640, 0.2013, 0.2121



75.1768, 0.2778, 0.3006



46.3595, 0.2713, 0.4624



15.5125, 0.2734, 0.2966



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.



22.2640, 0.2013, 0.2121



28.7352, 0.1863, 0.1836



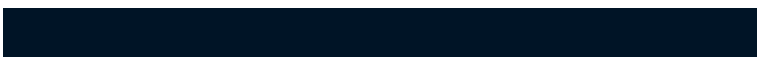
8.2385, 0.1730, 0.1010



11.8114, 0.2983, 0.3178



9.6920, 0.1803, 0.1691



0.6512, 0.1897, 0.2030

Inverse Universe

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



17.3813, 0.4268, 0.2391



24.2399, 0.4628, 0.2386



55.1011, 0.4134, 0.4852



11.3113, 0.3209, 0.3168



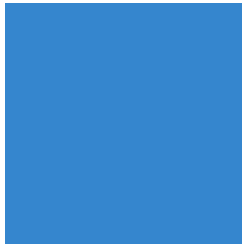
8.7814, 0.4817, 0.2427



0.4683, 0.4419, 0.2208

Previews

White Background



This preview shows how the Yxy color 22.2633, 0.2013, 0.2121 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 22.2633, 0.2013, 0.2121 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

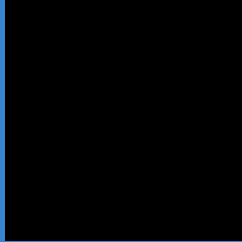
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.2633, 0.2013, 0.2121

Background



This preview shows how black text looks on a background with the Yxy color 22.2633, 0.2013, 0.2121.



This preview shows how white text looks on a background with the Yxy color 22.2633, 0.2013, 0.2121.

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

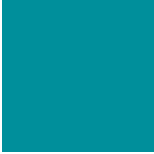
22.2633, 0.2013, 0.2121

Protanopia

22.2324, 0.2280, 0.2147

Deuteranopia

22.0903, 0.2129, 0.2065



Tritanopia

22.0115, 0.2181, 0.3050

Trichromacy



Original Color

22.2633, 0.2013, 0.2121

Protanomaly

22.1608, 0.2163, 0.2141

Deuteranomaly

22.1541, 0.2079, 0.2082

Tritanomaly

21.9506, 0.2093, 0.2657

Monochromacy



Original Color

22.2633, 0.2013, 0.2121

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

18.9970, 0.2551, 0.2796

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.2633, 0.2013, 0.2121 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(53, 134, 206)` looks like.

```
.text, #text, p{  
    color:rgb(53, 134, 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(53, 134, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(53, 134, 206) }
```

Border

The CSS property to change the border of an element to Yxy 22.2633, 0.2013, 0.2121 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(53, 134, 206) }
```

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

```
.border{ border-color:rgb(53, 134, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(53, 134, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(53, 134, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(53, 134, 206);  
box-shadow:4px 4px 4px 4px rgb(53, 134,  
206) }
```


Background

The CSS property to change the background color of an element to `rgb(22.2633, 0.2013, 0.2121)` is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(53, 134, 206) }
```

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

```
.background{ background-color: rgb(53, 134,  
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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