

Converting Colors

$Y_{xy}(21.9329, 0.1956, 0.2117)$

Have a look what the booklet for
Yxy(21.9329, 0.1956, 0.2117)
contains.

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Color

Yxy(22.0755, 0.1958, 0.2122)

Conversions

Conversions Part 1

Format	Color
Hex	1F87CE
RGB	31, 135, 206
RGB Percent	12%, 53%, 81%
CMY	0.8786, 0.4706, 0.1921
CMYK	0.85, 0.34, 0.00, 0.19
HSL	204°, 74%, 46%
HSV	204°, 85%, 81%
XYZ	20.3694, 22.0755, 61.5867
YIQ	111.9980, -84.7750, 0.0330

Conversions

Conversions Part 2

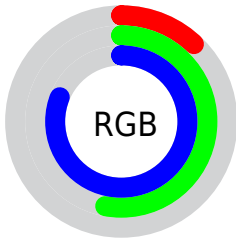
Format	Color
R _Y B	31, 96, 206
Decimal	2066382
CIE Lab	54.11, -2.97, -44.53
CIE LCh	54, 44.626, 266.183
Yxy	22.0755, 0.1958, 0.2122
Android (android.graphics.Color)	4280256462 (0xFF1F87CE)
YUV	111.9980, 46.3430, -71.0352
Hunter-Lab	46.9846, -4.8373, -44.8273

Details

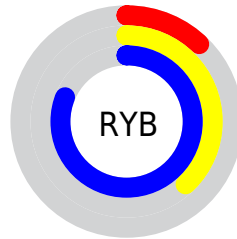
The Yxy color **22.0755, 0.1958, 0.2122** is a dark color, and the websafe version is hex **3399CC**. The color can be described as dark washed azure. A complement of this color would be **22.7191, 0.5320, 0.3969**, and the grayscale version is **16.0802, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.3122, 0.2219, 0.2441**, and **8.8899, 0.1844, 0.1840** is the 20% darker color. If you saturate the color by 10%, you get **19.6111, 0.1889, 0.1969**, and if you desaturate by 10%, it is **24.9284, 0.2049, 0.2279**.

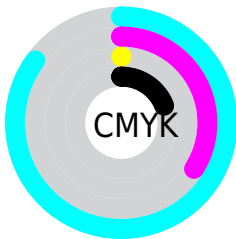
Distribution



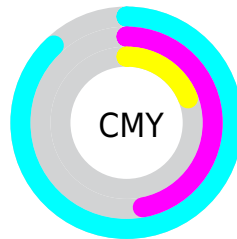
- Red (12%)
- Green (53%)
- Blue (81%)



- Red (12%)
- Yellow (38%)
- Blue (81%)



- Cyan (85%)
- Magenta (34%)
- Yellow (0%)
- Black (19%)



- Cyan (88%)
- Magenta (47%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.0755, 0.1958, 0.2122 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 22.0755, 0.1958, 0.2122 by changing the saturation by 10% instead.

■ 22.0755, 0.1958,
0.2122

■ 22.0755, 0.1958,
0.2122

262.9403, 0.2575,
0.2745

■ 13.9124, 0.1800,
0.1961

■ 46.8708, 0.2187,
0.2354

■ 8.0598, 0.1599,
0.1754

■ 64.2717, 0.2271,
0.2440

■ 4.1332, 0.1339,
0.1484

■ 85.5207, 0.2343,
0.2512

■ 1.7484, 0.1000,
0.1128

■ 111.0021, 0.2403,
0.2573

■ 0.4547, 0.0475,
0.0600

■ 141.1004, 0.2455,
0.2625

■ 0.0000, 0.0000,
0.0000

176.1999, 0.2501,

0.2670

216.6851, 0.2540,
0.2710

■ 22.0755, 0.1958,
0.2122

■ 22.0755, 0.1958,
0.2122

■ 19.6111, 0.1889,
0.1969

■ 24.9284, 0.2049,
0.2279

■ 18.4849, 0.1859,
0.1893

■ 28.2053, 0.2161,
0.2437

■ 31.9387, 0.2290,
0.2592

■ 36.1562, 0.2432,
0.2741

■ 40.8826, 0.2583,
0.2881

■ 46.1409, 0.2739,
0.3012

■ 51.9521, 0.2896,
0.3132

■ 58.3361, 0.3051,
0.3240

■ 65.3115, 0.3203,
0.3338

Harmonies

Analogous

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



22.0755, 0.1765, 0.2401



22.0755, 0.1958, 0.2122



22.0755, 0.2435, 0.2120

Triad

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



22.0755, 0.1958, 0.2122



22.0755, 0.4573, 0.3312



22.0755, 0.2933, 0.4571

Complementary

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



22.0755, 0.1958, 0.2122



22.7191, 0.5320, 0.3969

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.



22.0755, 0.3694, 0.4757



22.0755, 0.1958, 0.2122



22.0755, 0.4692, 0.3895

Square

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



22.0755, 0.1958, 0.2122



22.0755, 0.3980, 0.2773



22.0755, 0.4344, 0.4438



22.0755, 0.2266, 0.3847

Rectangle

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



22.0755, 0.1958, 0.2122



22.0755, 0.2898, 0.2251



22.0755, 0.4344, 0.4438



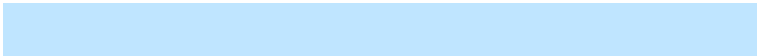
22.0755, 0.3187, 0.4702

Sweetspot

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



22.0762, 0.1958, 0.2122



74.4449, 0.2733, 0.3008



45.3780, 0.2773, 0.5036



15.2664, 0.2678, 0.2962



0.0000, 0.0000, 0.0000



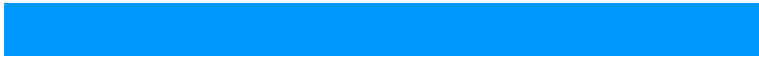
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



22.0762, 0.1958, 0.2122



29.5337, 0.1854, 0.1875



6.8998, 0.1623, 0.0876



11.9340, 0.2983, 0.3194



11.5758, 0.1865, 0.1915



0.7438, 0.1948, 0.2212

Inverse Universe

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



15.8508, 0.4297, 0.2247



23.5126, 0.4597, 0.2306



49.4054, 0.4305, 0.4857



11.3237, 0.3199, 0.3153



8.9716, 0.4550, 0.2280



0.4776, 0.4220, 0.2098

Previews

White Background



This preview shows how the Yxy color 22.0755, 0.1958, 0.2122 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 22.0755, 0.1958, 0.2122 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

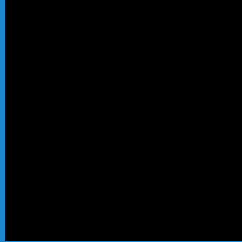
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

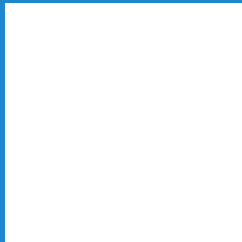
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 22.0755, 0.1958, 0.2122

Background



This preview shows how black text looks on a background with the Yxy color 22.0755, 0.1958, 0.2122.



This preview shows how white text looks on a background with the Yxy color 22.0755, 0.1958, 0.2122.

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

22.0755, 0.1958, 0.2122

Protanopia

21.8825, 0.2289, 0.2155

Deuteranopia

21.9993, 0.2118, 0.2062



Tritanopia

21.9780, 0.2186, 0.3069

Trichromacy



Original Color

22.0755, 0.1958, 0.2122

Protanomaly

21.4953, 0.2119, 0.2124

Deuteranomaly

21.7944, 0.2034, 0.2069

Tritanomaly

21.8444, 0.2087, 0.2672

Monochromacy



Original Color

22.0755, 0.1958, 0.2122

Achromatopsia

16.2029, 0.3127, 0.3290

Achromatomaly

17.3473, 0.2474, 0.2774

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.0755, 0.1958, 0.2122 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(31, 135, 206)` looks like.

```
.text, #text, p{  
    color:rgb(31, 135, 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(31, 135, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 135, 206) }
```

Border

The CSS property to change the border of an element to Yxy 22.0755, 0.1958, 0.2122 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(31, 135, 206) }
```

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

```
.border{ border-color:rgb(31, 135, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(31, 135, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 135, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 135, 206);  
box-shadow:4px 4px 4px 4px rgb(31, 135,  
206) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 22.0755, 0.1958, 0.2122$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 135, 206) }
```

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

```
.background{ background-color: rgb(31, 135,  
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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