

Converting Colors

$Yxy(21.9816, 0.1983, 0.2115)$

Have a look what the booklet for
Yxy(21.9816, 0.1983, 0.2115)
contains.

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Color

$Y_{xy}(22.0200, 0.1982, 0.2113)$

Conversions

Conversions Part 1

Format	Color
Hex	2B86CE
RGB	43, 134, 206
RGB Percent	17%, 53%, 81%
CMY	0.8319, 0.4744, 0.1923
CMYK	0.79, 0.35, 0.00, 0.19
HSL	206°, 66%, 49%
HSV	206°, 79%, 81%
XYZ	20.6548, 22.0200, 61.5372
YIQ	114.9990, -77.3480, 3.1000

Conversions

Conversions Part 2

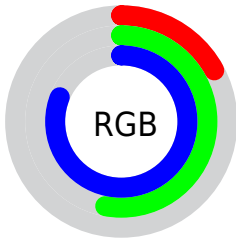
Format	Color
R_{YB}	43, 101, 206
Decimal	2852558
CIE _{Lab}	54.05, -1.33, -44.58
CIE _{LCh}	54, 44.604, 268.297
Yxy	22.0200, 0.1982, 0.2113
Android (android.graphics.Color)	4281042638 (0xFF2B86CE)
YUV	114.9990, 44.8635, -63.1431
Hunter-Lab	46.9255, -3.5506, -44.9040

Details

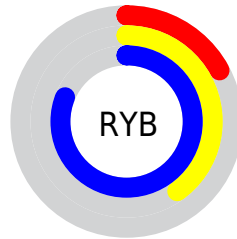
The Yxy color **22.0200, 0.1982, 0.2113** is a dark color, and the websafe version is hex **6699CC**. The color can be described as dark muted azure. A complement of this color would be **25.5132, 0.5077, 0.4049**, and the grayscale version is **17.0130, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.2714, 0.2241, 0.2433**, and **8.7314, 0.1838, 0.1817** is the 20% darker color. If you saturate the color by 10%, you get **19.2783, 0.1895, 0.1944**, and if you desaturate by 10%, it is **25.2034, 0.2091, 0.2285**.

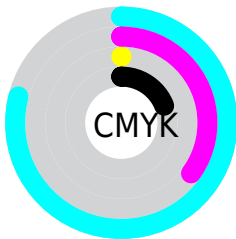
Distribution



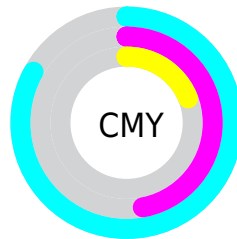
- Red (17%)
- Green (53%)
- Blue (81%)



- Red (17%)
- Yellow (40%)
- Blue (81%)



- Cyan (79%)
- Magenta (35%)
- Yellow (0%)
- Black (19%)



- Cyan (83%)
- Magenta (47%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.0200, 0.1982, 0.2113 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 22.0200, 0.1982, 0.2113 by changing the saturation by 10% instead.

■ 22.0200, 0.1982,
0.2113

■ 22.0200, 0.1982,
0.2113

262.6507, 0.2588,
0.2739

■ 13.8716, 0.1827,
0.1952

■ 46.7791, 0.2207,
0.2346

■ 8.0314, 0.1628,
0.1745

■ 64.1585, 0.2290,
0.2432

■ 4.1151, 0.1369,
0.1475

■ 85.3837, 0.2360,
0.2504

■ 1.7381, 0.1031,
0.1119

■ 110.8392, 0.2420,
0.2565

■ 0.4482, 0.0519,
0.0590

■ 140.9092, 0.2471,
0.2618

■ 0.0000, 0.0000,
0.0000

175.9782, 0.2515,

0.2664

216.4305, 0.2554,
0.2703

■ 22.0200, 0.1982,
0.2113

■ 22.0200, 0.1982,
0.2113

■ 19.2783, 0.1895,
0.1944

■ 25.2034, 0.2091,
0.2285

■ 16.9205, 0.1829,
0.1781

■ 28.8613, 0.2218,
0.2456

■ 16.7404, 0.1824,
0.1767

■ 33.0248, 0.2360,
0.2623

■ 37.7209, 0.2512,
0.2781

■ 42.9744, 0.2669,
0.2928

■ 48.8081, 0.2829,
0.3064

■ 55.2434, 0.2986,
0.3188

■ 62.3004, 0.3139,
0.3299

■ 69.9981, 0.3287,
0.3397

Harmonies

Analogous

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



22.0200, 0.1769, 0.2371



22.0200, 0.1982, 0.2113



22.0200, 0.2478, 0.2128

Triad

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



22.0200, 0.1982, 0.2113



22.0200, 0.4598, 0.3352



22.0200, 0.2881, 0.4535

Complementary

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



22.0200, 0.1982, 0.2113



25.5132, 0.5077, 0.4049

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.



22.0200, 0.3642, 0.4764



22.0200, 0.1982, 0.2113



22.0200, 0.4682, 0.3936

Square

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



22.0200, 0.1982, 0.2113



22.0200, 0.4034, 0.2808



22.0200, 0.4306, 0.4471



22.0200, 0.2228, 0.3785

Rectangle

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



22.0200, 0.1982, 0.2113



22.0200, 0.2953, 0.2270



22.0200, 0.4306, 0.4471



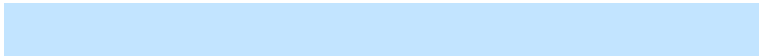
22.0200, 0.3133, 0.4680

Sweetspot

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



22.0207, 0.1982, 0.2113



74.1500, 0.2747, 0.2996



45.8455, 0.2739, 0.4817



15.1554, 0.2690, 0.2946



0.0000, 0.0000, 0.0000



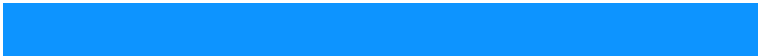
21.4041, 0.3127, 0.3290

Same Dimension

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



22.0207, 0.1982, 0.2113



28.5234, 0.1848, 0.1829



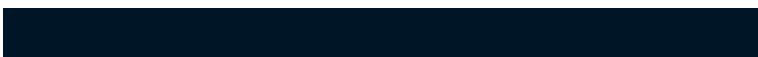
7.5801, 0.1676, 0.0946



11.8664, 0.2983, 0.3185



10.5073, 0.1831, 0.1791



0.6918, 0.1920, 0.2112

Inverse Universe

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



16.5580, 0.4292, 0.2322



23.6836, 0.4646, 0.2354



52.3668, 0.4214, 0.4859



11.3169, 0.3204, 0.3161



8.8637, 0.4696, 0.2361



0.4724, 0.4328, 0.2158

Previews

White Background



This preview shows how the Yxy color 22.0200, 0.1982, 0.2113 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 22.0200, 0.1982, 0.2113 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 22.0200, 0.1982, 0.2113

Background



This preview shows how black text looks on a background with the Yxy color 22.0200, 0.1982, 0.2113.



This preview shows how white text looks on a background with the Yxy color 22.0200, 0.1982, 0.2113.

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

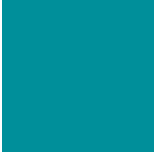
22.0200, 0.1982, 0.2113

Protanopia

21.8700, 0.2276, 0.2141

Deuteranopia

21.9993, 0.2118, 0.2062



Tritanopia

21.9780, 0.2186, 0.3069

Trichromacy



Original Color

22.0200, 0.1982, 0.2113

Protanomaly

21.6703, 0.2131, 0.2116

Deuteranomaly

21.9665, 0.2056, 0.2075

Tritanomaly

21.8835, 0.2093, 0.2673

Monochromacy



Original Color

22.0200, 0.1982, 0.2113

Achromatopsia

17.1441, 0.3127, 0.3290

Achromatomaly

18.1810, 0.2517, 0.2786

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.0200, 0.1982, 0.2113 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(43, 134, 206)` looks like.

```
.text, #text, p{  
    color:rgb(43, 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(43, 134, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 134, 206) }
```

Border

The CSS property to change the border of an element to Yxy 22.0200, 0.1982, 0.2113 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(43, 134, 206) }
```

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

```
.border{ border-color:rgb(43, 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(43, 134, 206) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 134, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 134, 206);  
box-shadow:4px 4px 4px 4px rgb(43, 134,  
206) }
```


Background

The CSS property to change the background color of an element to Yxy 22.0200, 0.1982, 0.2113 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 134, 206) }
```

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

```
.background{ background-color: rgb(43, 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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