

Converting Colors

$Y_{xy}(21.1200, 0.1969, 0.2101)$

Have a look what the booklet for
Yxy(21.1200, 0.1969, 0.2101)
contains.

Yxy(21.2264, 0.1971, 0.2110)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(21.2264, 0.1971, 0.2110)

Conversions

Conversions Part 1

Format	Color
Hex	2684CB
RGB	38, 132, 203
RGB Percent	15%, 52%, 80%
CMY	0.8510, 0.4823, 0.2040
CMYK	0.81, 0.35, 0.00, 0.20
HSL	206°, 68%, 47%
HSV	206°, 81%, 80%
XYZ	19.8281, 21.2264, 59.5446
YIQ	111.9880, -78.8150, 2.1530

Conversions

Conversions Part 2

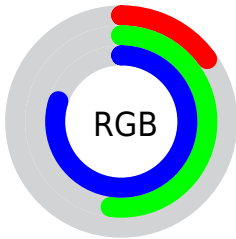
Format	Color
R _Y B	38, 98, 203
Decimal	2524363
CIE Lab	53.20, -1.72, -44.25
CIE LCh	53, 44.282, 267.774
Yxy	21.2264, 0.1971, 0.2110
Android (android.graphics.Color)	4280714443 (0xFF2684CB)
YUV	111.9880, 44.8689, -64.8875
Hunter-Lab	46.0721, -3.8051, -44.3772

Details

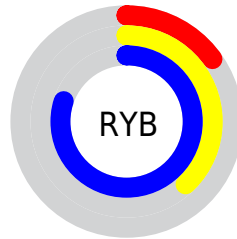
The Yxy color **21.2264, 0.1971, 0.2110** is a dark color, and the websafe version is hex **6699CC**. The color can be described as dark muted azure. A complement of this color would be **23.7648, 0.5158, 0.4027**, and the grayscale version is **16.0819, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.2329, 0.2223, 0.2403**, and **8.3246, 0.1837, 0.1812** is the 20% darker color. If you saturate the color by 10%, you get **18.6707, 0.1890, 0.1946**, and if you desaturate by 10%, it is **24.1918, 0.2074, 0.2278**.

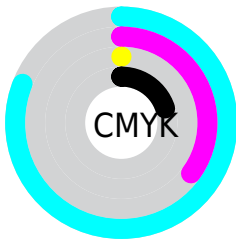
Distribution



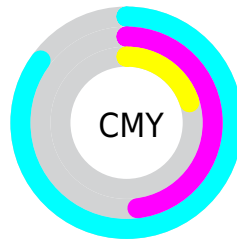
- Red (15%)
- Green (52%)
- Blue (80%)



- Red (15%)
- Yellow (38%)
- Blue (80%)



- Cyan (81%)
- Magenta (35%)
- Yellow (0%)
- Black (20%)



- Cyan (85%)
- Magenta (48%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.2264, 0.1971, 0.2110 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 21.2264, 0.1971, 0.2110 by changing the saturation by 10% instead.

■ 21.2264, 0.1971,
0.2110

■ 21.2264, 0.1971,
0.2110

■ 258.4792, 0.2586,
0.2741

■ 13.2896, 0.1812,
0.1946

■ 45.4640, 0.2200,
0.2346

■ 7.6283, 0.1609,
0.1735

■ 62.5336, 0.2285,
0.2433

■ 3.8580, 0.1345,
0.1459

■ 83.4163, 0.2355,
0.2506

■ 1.5945, 0.0998,
0.1095

■ 108.4964, 0.2416,
0.2567

■ 0.3539, 0.0424,
0.0509

■ 138.1584, 0.2467,
0.2620

■ 0.0000, 0.0000,
0.0000

172.7866, 0.2512,

0.2666

212.7654, 0.2551,
0.2706

■ 21.2264, 0.1971,
0.2110

■ 21.2264, 0.1971,
0.2110

■ 18.6707, 0.1890,
0.1946

■ 24.1918, 0.2074,
0.2278

■ 16.7252, 0.1836,
0.1807

■ 27.5996, 0.2196,
0.2445

■ 31.4800, 0.2333,
0.2607

■ 35.8594, 0.2482,
0.2763

■ 40.7617, 0.2638,
0.2909

■ 46.2090, 0.2796,
0.3043

■ 52.2218, 0.2954,
0.3166

■ 58.8195, 0.3108,
0.3277

■ 66.0203, 0.3256,
0.3375

Harmonies

Analogous

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



21.2264, 0.1762, 0.2374



21.2264, 0.1971, 0.2110



21.2264, 0.2464, 0.2121

Triad

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



21.2264, 0.1971, 0.2110



21.2264, 0.4600, 0.3342



21.2264, 0.2892, 0.4551

Complementary

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



21.2264, 0.1971, 0.2110



23.7648, 0.5158, 0.4027

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.



21.2264, 0.3656, 0.4770



21.2264, 0.1971, 0.2110



21.2264, 0.4692, 0.3928

Square

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



21.2264, 0.1971, 0.2110



21.2264, 0.4025, 0.2796



21.2264, 0.4321, 0.4468



21.2264, 0.2233, 0.3803

Rectangle

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



21.2264, 0.1971, 0.2110



21.2264, 0.2938, 0.2261



21.2264, 0.4321, 0.4468



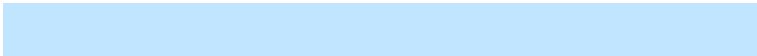
21.2264, 0.3146, 0.4694

Sweetspot

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



21.2271, 0.1971, 0.2110



74.5205, 0.2748, 0.3004



44.1744, 0.2754, 0.4907



15.2444, 0.2691, 0.2955



0.0000, 0.0000, 0.0000



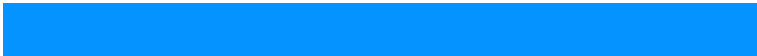
21.4041, 0.3127, 0.3290

Same Dimension

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



21.2271, 0.1971, 0.2110



28.2751, 0.1841, 0.1819



7.1553, 0.1658, 0.0927



11.8873, 0.2983, 0.3188



10.8291, 0.1842, 0.1829



0.7076, 0.1929, 0.2143

Inverse Universe

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



15.7462, 0.4301, 0.2297



23.4929, 0.4661, 0.2350



49.3326, 0.4253, 0.4854



11.3190, 0.3202, 0.3159



8.8962, 0.4651, 0.2336



0.4740, 0.4294, 0.2139

Previews

White Background



This preview shows how the Yxy color 21.2264, 0.1971, 0.2110 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 21.2264, 0.1971, 0.2110 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

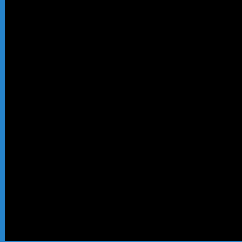
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.2264, 0.1971, 0.2110

Background



This preview shows how black text looks on a background with the Yxy color 21.2264, 0.1971, 0.2110.



This preview shows how white text looks on a background with the Yxy color 21.2264, 0.1971, 0.2110.

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

21.2264, 0.1971, 0.2110

Protanopia

21.1102, 0.2273, 0.2140

Deuteranopia

21.2006, 0.2108, 0.2059



Tritanopia

20.9905, 0.2185, 0.3065

Trichromacy



Original Color

21.2264, 0.1971, 0.2110

Protanomaly

20.8800, 0.2121, 0.2113

Deuteranomaly

21.1501, 0.2043, 0.2071

Tritanomaly

20.8870, 0.2088, 0.2662

Monochromacy



Original Color

21.2264, 0.1971, 0.2110

Achromatopsia

16.2029, 0.3127, 0.3290

Achromatomaly

17.1693, 0.2496, 0.2773

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.2264, 0.1971, 0.2110 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(38, 132, 203)` looks like.

```
.text, #text, p{  
    color:rgb(38, 132, 203)  
}
```

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(38, 132, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 132, 203) }
```

Border

The CSS property to change the border of an element to Yxy 21.2264, 0.1971, 0.2110 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(38, 132, 203) }
```

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

```
.border{ border-color:rgb(38, 132, 203) }
```

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

Here you see how a box with a 4 pixel rgb(38, 132, 203) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 132, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 132, 203);  
box-shadow:4px 4px 4px 4px rgb(38, 132,  
203) }
```


Background

The CSS property to change the background color of an element to Yxy 21.2264, 0.1971, 0.2110 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 132, 203) }
```

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

```
.background{ background-color: rgb(38, 132,  
203) }
```

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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