

Converting Colors

$Y_{xy}(21.0462, 0.2143, 0.2709)$

Have a look what the booklet for
Yxy(21.0462, 0.2143, 0.2709)
contains.

Yxy(21.0758, 0.2141, 0.2701)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(21.0758, 0.2141, 0.2701)

Conversions

Conversions Part 1

Format	Color
Hex	2389A8
RGB	35, 137, 168
RGB Percent	14%, 54%, 66%
CMY	0.8631, 0.4627, 0.3411
CMYK	0.79, 0.18, 0.00, 0.34
HSL	194°, 66%, 40%
HSV	194°, 79%, 66%
XYZ	16.7061, 21.0758, 40.2477
YIQ	110.0360, -70.7430, -11.9830

Conversions

Conversions Part 2

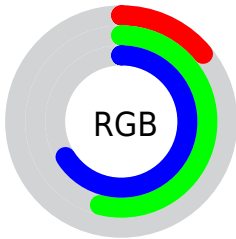
Format	Color
R_{YB}	35, 93, 168
Decimal	2329000
CIE _{Lab}	53.03, -17.47, -24.51
CIE _{LCh}	53, 30.103, 234.519
Yxy	21.0758, 0.2141, 0.2701
Android (android.graphics.Color)	4280519080 (0xFF2389A8)
YUV	110.0360, 28.5763, -65.8066
Hunter-Lab	45.9084, -15.3832, -19.8434

Details

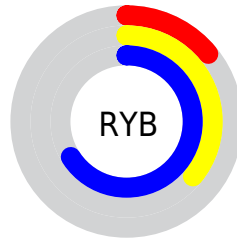
The Yxy color **21.0758, 0.2141, 0.2701** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **12.3369, 0.5455, 0.3657**, and the grayscale version is **15.5284, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.9794, 0.2344, 0.2834**, and **8.0773, 0.2026, 0.2495** is the 20% darker color. If you saturate the color by 10%, you get **19.7572, 0.2082, 0.2616**, and if you desaturate by 10%, it is **22.5769, 0.2219, 0.2786**.

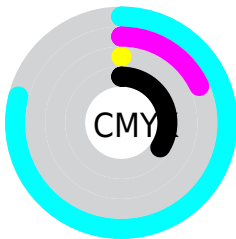
Distribution



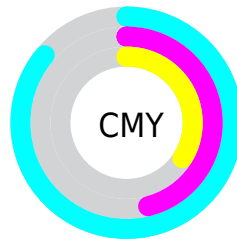
- Red (14%)
- Green (54%)
- Blue (66%)



- Red (14%)
- Yellow (36%)
- Blue (66%)



- Cyan (79%)
- Magenta (18%)
- Yellow (0%)
- Black (34%)



- Cyan (86%)
- Magenta (46%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.0758, 0.2141, 0.2701 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 21.0758, 0.2141, 0.2701 by changing the saturation by 10% instead.

21.0758, 0.2141,
0.2701

21.0758, 0.2141,
0.2701

257.6811, 0.2676,
0.3042

13.1794, 0.1995,
0.2599

45.2137, 0.2345,
0.2837

7.5522, 0.1802,
0.2456

62.2239, 0.2419,
0.2885

3.8098, 0.1538,
0.2248

83.0409, 0.2480,
0.2923

1.5677, 0.1163,
0.1921

108.0491, 0.2531,
0.2955

0.3357, 0.0000,
0.1158

137.6328, 0.2575,
0.2982

0.0000, 0.0000,
0.0000

172.1764, 0.2613,

0.3005

212.0644, 0.2647,
0.3025

■ 21.0758, 0.2141,
0.2701

■ 21.0758, 0.2141,
0.2701

■ 19.7572, 0.2082,
0.2616

■ 22.5769, 0.2219,
0.2786

■ 18.5827, 0.2038,
0.2532

■ 24.2765, 0.2316,
0.2870

■ 18.4947, 0.2035,
0.2525

■ 26.1909, 0.2429,
0.2952

■ 28.3338, 0.2556,
0.3030

■ 30.7179, 0.2693,
0.3104

■ 33.3546, 0.2838,
0.3173

■ 36.2545, 0.2988,
0.3237

■ 39.4276, 0.3139,
0.3294

■ 42.8833, 0.3289,
0.3346

Harmonies

Analogous

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



21.0758, 0.2237, 0.3144



21.0758, 0.2141, 0.2701



21.0758, 0.2274, 0.2464

Triad

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



21.0758, 0.2141, 0.2701



21.0758, 0.3688, 0.2909



21.0758, 0.3583, 0.4287

Complementary

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



21.0758, 0.2141, 0.2701



12.3369, 0.5455, 0.3657

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.



21.0758, 0.4019, 0.4108



21.0758, 0.2141, 0.2701



21.0758, 0.4101, 0.3313

Square

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



21.0758, 0.2141, 0.2701



21.0758, 0.3133, 0.2599



21.0758, 0.4220, 0.3741



21.0758, 0.3046, 0.4148

Rectangle

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



21.0758, 0.2141, 0.2701



21.0758, 0.2484, 0.2424



21.0758, 0.4220, 0.3741



21.0758, 0.3746, 0.4257

Sweetspot

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



21.0765, 0.2141, 0.2701



57.9518, 0.2762, 0.3138



28.7393, 0.2898, 0.5333



12.2815, 0.2713, 0.3114



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



21.0765, 0.2141, 0.2701



34.2317, 0.2049, 0.2553



7.8994, 0.1805, 0.1409



8.2312, 0.2987, 0.3236



14.0418, 0.2037, 0.2534



0.4121, 0.2114, 0.2811

Inverse Universe

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



11.3307, 0.3710, 0.1976



18.2758, 0.3868, 0.1923



24.4970, 0.4534, 0.4537



7.6363, 0.3171, 0.3118



7.4886, 0.3889, 0.1916



0.1893, 0.3624, 0.1770

Previews

White Background



This preview shows how the Yxy color 21.0758, 0.2141, 0.2701 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 21.0758, 0.2141, 0.2701 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

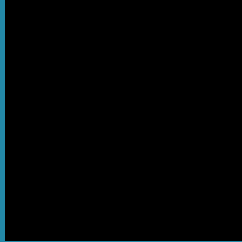
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.0758, 0.2141, 0.2701

Background



This preview shows how black text looks on a background with the Yxy color 21.0758, 0.2141, 0.2701.

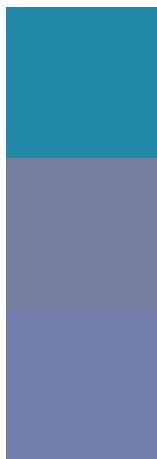


This preview shows how white text looks on a background with the Yxy color 21.0758, 0.2141, 0.2701.

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

21.0758, 0.2141, 0.2701

Protanopia

20.9523, 0.2696, 0.2699

Deuteranopia

20.8663, 0.2554, 0.2494



Tritanopia

21.0486, 0.2195, 0.3065

Trichromacy



Original Color

21.0758, 0.2141, 0.2701

Protanomaly

20.3354, 0.2415, 0.2683

Deuteranomaly

20.5341, 0.2345, 0.2554

Tritanomaly

21.0282, 0.2170, 0.2931

Monochromacy



Original Color

21.0758, 0.2141, 0.2701

Achromatopsia

15.5926, 0.3127, 0.3290

Achromatomaly

16.9106, 0.2602, 0.3060

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.0758, 0.2141, 0.2701 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(35, 137, 168)` looks like.

```
.text, #text, p{  
    color:rgb(35, 137, 168)  
}
```

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(35, 137, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 137, 168) }
```

Border

The CSS property to change the border of an element to Yxy 21.0758, 0.2141, 0.2701 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(35, 137, 168) }
```

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

```
.border{ border-color:rgb(35, 137, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(35, 137, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 137, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(35, 137, 168);  
box-shadow:4px 4px 4px 4px rgb(35, 137,  
168) }
```


Background

The CSS property to change the background color of an element to Yxy 21.0758, 0.2141, 0.2701 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 137, 168) }
```

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

```
.background{ background-color: rgb(35, 137,  
168) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor