

Converting Colors

$Y_{xy}(21.2571, 0.2195, 0.2915)$

Have a look what the booklet for
Yxy(21.2571, 0.2195, 0.2915)
contains.

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Color

$\text{Yxy}(21.2409, 0.2196, 0.2916)$

Conversions

Conversions Part 1

Format	Color
Hex	208B9E
RGB	32, 139, 158
RGB Percent	13%, 55%, 62%
CMY	0.8751, 0.4549, 0.3804
CMYK	0.80, 0.12, 0.00, 0.38
HSL	189°, 66%, 37%
HSV	189°, 80%, 62%
XYZ	15.9962, 21.2409, 35.6055
YIQ	109.1730, -69.8710, -16.7750

Conversions

Conversions Part 2

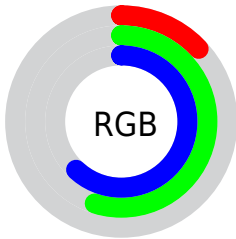
Format	Color
R_{YB}	32, 90, 158
Decimal	2132894
CIE _{Lab}	53.21, -22.27, -18.46
CIE _{LCh}	53, 28.927, 219.650
Yxy	21.2409, 0.2196, 0.2916
Android (android.graphics.Color)	4280322974 (0xFF208B9E)
YUV	109.1730, 24.0717, -67.6807
Hunter-Lab	46.0879, -18.6997, -13.5434

Details

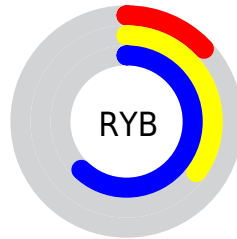
The Yxy color **21.2409, 0.2196, 0.2916** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **9.7266, 0.5613, 0.3514**, and the grayscale version is **15.2780, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.5967, 0.2389, 0.3006**, and **8.2063, 0.2104, 0.2773** is the 20% darker color. If you saturate the color by 10%, you get **20.3661, 0.2148, 0.2864**, and if you desaturate by 10%, it is **22.2533, 0.2262, 0.2969**.

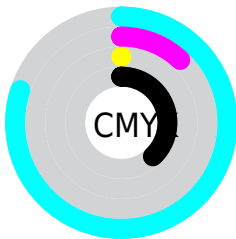
Distribution



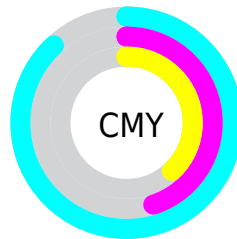
- Red (13%)
- Green (55%)
- Blue (62%)



- Red (13%)
- Yellow (35%)
- Blue (62%)



- Cyan (80%)
- Magenta (12%)
- Yellow (0%)
- Black (38%)



- Cyan (88%)
- Magenta (45%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.2409, 0.2196, 0.2916 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 21.2409, 0.2196, 0.2916 by changing the saturation by 10% instead.

21.2409, 0.2196,
0.2916

21.2409, 0.2196,
0.2916

258.5560, 0.2703,
0.3140

13.3002, 0.2056,
0.2845

45.4881, 0.2390,
0.3008

7.6356, 0.1869,
0.2742

62.5634, 0.2460,
0.3039

3.8627, 0.1608,
0.2585

83.4524, 0.2518,
0.3064

1.5970, 0.1230,
0.2321

108.5394, 0.2567,
0.3085

0.3556, 0.0000,
0.1599

138.2089, 0.2609,
0.3102

0.0000, 0.0000,
0.0000

172.8452, 0.2645,

0.3117

212.8328, 0.2676,
0.3129

■ 21.2409, 0.2196,
0.2916

■ 21.2409, 0.2196,
0.2916

■ 20.3661, 0.2148,
0.2864

■ 22.2533, 0.2262,
0.2969

■ 19.5906, 0.2115,
0.2812

■ 23.4166, 0.2346,
0.3021

■ 19.5786, 0.2114,
0.2811

■ 24.7447, 0.2448,
0.3072

■ 26.2493, 0.2565,
0.3121

■ 27.9409, 0.2694,
0.3168

■ 29.8291, 0.2833,
0.3212

■ 31.9229, 0.2979,
0.3253

■ 34.2307, 0.3130,
0.3291

■ 36.7604, 0.3281,
0.3324

Harmonies

Analogous

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



21.2409, 0.2400, 0.3413



21.2409, 0.2196, 0.2916



21.2409, 0.2216, 0.2584

Triad

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



21.2409, 0.2196, 0.2916



21.2409, 0.3407, 0.2761



21.2409, 0.3794, 0.4193

Complementary

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



21.2409, 0.2196, 0.2916



9.7266, 0.5613, 0.3514

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.



21.2409, 0.4114, 0.3918



21.2409, 0.2196, 0.2916



21.2409, 0.3892, 0.3114

Square

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



21.2409, 0.2196, 0.2916



21.2409, 0.2876, 0.2527



21.2409, 0.4158, 0.3524



21.2409, 0.3310, 0.4218

Rectangle

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



21.2409, 0.2196, 0.2916



21.2409, 0.2350, 0.2477



21.2409, 0.4158, 0.3524



21.2409, 0.3925, 0.4123

Sweetspot

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



21.2417, 0.2196, 0.2916



52.5358, 0.2768, 0.3192



24.9964, 0.2939, 0.5478



11.5873, 0.2721, 0.3177



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



21.2417, 0.2196, 0.2916



35.8615, 0.2123, 0.2822



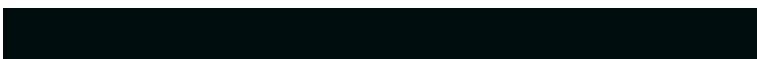
7.9426, 0.1844, 0.1567



7.3392, 0.2988, 0.3255



15.7253, 0.2115, 0.2815



0.3231, 0.2173, 0.3023

Inverse Universe

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



10.1587, 0.3517, 0.1853



16.5423, 0.3613, 0.1779



19.3734, 0.4653, 0.4428



6.7374, 0.3159, 0.3102



7.2097, 0.3621, 0.1768



0.1331, 0.3434, 0.1665

Previews

White Background



This preview shows how the Yxy color 21.2409, 0.2196, 0.2916 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 21.2409, 0.2196, 0.2916 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

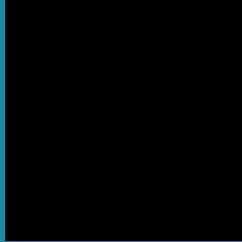
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.2409, 0.2196, 0.2916

Background



This preview shows how black text looks on a background with the Yxy color 21.2409, 0.2196, 0.2916.

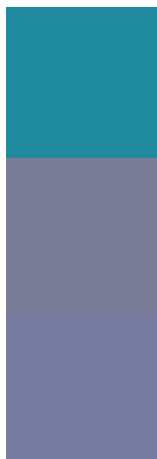


This preview shows how white text looks on a background with the Yxy color 21.2409, 0.2196, 0.2916.

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

21.2409, 0.2196, 0.2916

Protanopia

20.9747, 0.2842, 0.2868

Deuteranopia

20.9816, 0.2707, 0.2656



Tritanopia

21.1972, 0.2223, 0.3067

Trichromacy



Original Color

21.2409, 0.2196, 0.2916

Protanomaly

20.3561, 0.2509, 0.2874

Deuteranomaly

20.3133, 0.2437, 0.2717

Tritanomaly

21.3223, 0.2211, 0.3010

Monochromacy



Original Color

21.2409, 0.2196, 0.2916

Achromatopsia

15.2926, 0.3127, 0.3290

Achromatomaly

16.7146, 0.2619, 0.3140

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.2409, 0.2196, 0.2916 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(32, 139, 158)` looks like.

```
.text, #text, p{  
    color:rgb(32, 139, 158)  
}
```

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(32, 139, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(32, 139, 158) }
```

Border

The CSS property to change the border of an element to Yxy 21.2409, 0.2196, 0.2916 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(32, 139, 158) }
```

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

```
.border{ border-color:rgb(32, 139, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(32, 139, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(32, 139, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(32, 139, 158);  
box-shadow:4px 4px 4px 4px rgb(32, 139,  
158) }
```


Background

The CSS property to change the background color of an element to Yxy 21.2409, 0.2196, 0.2916 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(32, 139, 158) }
```

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

```
.background{ background-color: rgb(32, 139,  
158) }
```

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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