

Converting Colors

$Yxy(21.1882, 0.2179, 0.2868)$

Have a look what the booklet for
Yxy(21.1882, 0.2179, 0.2868)
contains.

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Color

Yxy(21.2946, 0.2183, 0.2879)

Conversions

Conversions Part 1

Format	Color
Hex	1F8BA0
RGB	31, 139, 160
RGB Percent	12%, 55%, 63%
CMY	0.8779, 0.4549, 0.3725
CMYK	0.81, 0.13, 0.00, 0.37
HSL	190°, 67%, 37%
HSV	190°, 81%, 63%
XYZ	16.1466, 21.2946, 36.5240
YIQ	109.1020, -71.1090, -16.3650

Conversions

Conversions Part 2

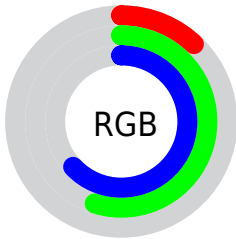
Format	Color
R_{YB}	31, 90, 160
Decimal	2067360
CIE _{Lab}	53.27, -21.66, -19.53
CIE _{LCh}	53, 29.167, 222.041
Y _{xy}	21.2946, 0.2183, 0.2879
Android (android.graphics.Color)	4280257440 (0xFF1F8BA0)
YUV	109.1020, 25.0927, -68.4955
Hunter-Lab	46.1461, -18.2981, -14.6251

Details

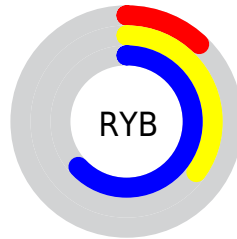
The Yxy color **21.2946, 0.2183, 0.2879** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **10.0446, 0.5622, 0.3533**, and the grayscale version is **15.2769, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.6989, 0.2379, 0.2980**, and **8.2275, 0.2096, 0.2747** is the 20% darker color. If you saturate the color by 10%, you get **20.3578, 0.2135, 0.2822**, and if you desaturate by 10%, it is **22.3744, 0.2249, 0.2937**.

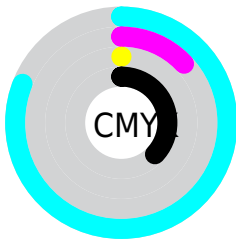
Distribution



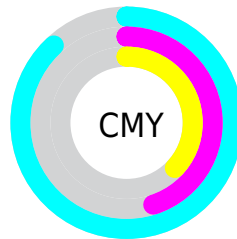
- Red (12%)
- Green (55%)
- Blue (63%)



- Red (12%)
- Yellow (35%)
- Blue (63%)



- Cyan (81%)
- Magenta (13%)
- Yellow (0%)
- Black (37%)





- Cyan (88%)
- Magenta (45%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.2946, 0.2183, 0.2879 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 21.2946, 0.2183, 0.2879 by changing the saturation by 10% instead.

 21.2946, 0.2183,
0.2879


 21.2946, 0.2183,
0.2879


 258.8400, 0.2697,
0.3124


 13.3395, 0.2042,
0.2802


 45.5773, 0.2380,
0.2979


 7.6628, 0.1853,
0.2692


 62.6737, 0.2450,
0.3013


 3.8799, 0.1592,
0.2526

 83.5861, 0.2509,
0.3040

 1.6066, 0.1215,
0.2249

 108.6987, 0.2559,
0.3063

 0.3621, 0.0000,
0.1534

 138.3960, 0.2601,
0.3082

 0.0000, 0.0000,
0.0000

 173.0624, 0.2637,

0.3098

213.0823, 0.2669,
0.3112

■ 21.2946, 0.2183,
0.2879

■ 21.2946, 0.2183,
0.2879

■ 20.3578, 0.2135,
0.2822

■ 22.3744, 0.2249,
0.2937

■ 19.5656, 0.2102,
0.2768

■ 23.6111, 0.2334,
0.2994

■ 25.0194, 0.2436,
0.3049

■ 26.6113, 0.2553,
0.3103

■ 28.3979, 0.2683,
0.3154

■ 30.3891, 0.2823,
0.3202

■ 32.5943, 0.2969,
0.3247

■ 35.0222, 0.3119,
0.3288

■ 37.6810, 0.3270,
0.3325

Harmonies

Analogous

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



21.2946, 0.2370, 0.3370



21.2946, 0.2183, 0.2879



21.2946, 0.2221, 0.2561

Triad

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



21.2946, 0.2183, 0.2879



21.2946, 0.3452, 0.2782



21.2946, 0.3764, 0.4213

Complementary

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



21.2946, 0.2183, 0.2879



10.0446, 0.5622, 0.3533

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.



21.2946, 0.4104, 0.3950



21.2946, 0.2183, 0.2879



21.2946, 0.3929, 0.3144

Square

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



21.2946, 0.2183, 0.2879



21.2946, 0.2914, 0.2535



21.2946, 0.4173, 0.3559



21.2946, 0.3269, 0.4214

Rectangle

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



21.2946, 0.2183, 0.2879



21.2946, 0.2367, 0.2465



21.2946, 0.4173, 0.3559



21.2946, 0.3901, 0.4148

Sweetspot

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



21.2954, 0.2183, 0.2879



53.7041, 0.2767, 0.3184



25.6749, 0.2939, 0.5497



11.5144, 0.2720, 0.3168



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.



21.2954, 0.2183, 0.2879



35.7060, 0.2108, 0.2775



8.0341, 0.1835, 0.1549



7.3251, 0.2988, 0.3253



15.2919, 0.2104, 0.2773



0.3182, 0.2167, 0.3000

Inverse Universe

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



10.3260, 0.3550, 0.1865



16.8413, 0.3657, 0.1799



19.8150, 0.4667, 0.4431



6.7360, 0.3161, 0.3105



7.1659, 0.3659, 0.1790



0.1327, 0.3454, 0.1676

Previews

White Background



This preview shows how the Yxy color 21.2946, 0.2183, 0.2879 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 21.2946, 0.2183, 0.2879 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

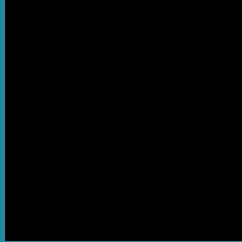
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.2946, 0.2183, 0.2879

Background



This preview shows how black text looks on a background with the Yxy color 21.2946, 0.2183, 0.2879.



This preview shows how white text looks on a background with the Yxy color 21.2946, 0.2183, 0.2879.

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

21.2946, 0.2183, 0.2879

Protanopia

20.9665, 0.2811, 0.2833

Deuteranopia

20.9816, 0.2679, 0.2623



Tritanopia

21.1826, 0.2209, 0.3047

Trichromacy



Original Color

21.2946, 0.2183, 0.2879

Protanomaly

20.3731, 0.2485, 0.2838

Deuteranomaly

20.3354, 0.2415, 0.2683

Tritanomaly

21.3294, 0.2201, 0.2990

Monochromacy



Original Color

21.2946, 0.2183, 0.2879

Achromatopsia

15.2926, 0.3127, 0.3290

Achromatomaly

16.7408, 0.2610, 0.3120

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.2946, 0.2183, 0.2879 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, 139, 160)` looks like.

```
.text, #text, p{  
    color:rgb(31, 139, 160)  
}
```

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, 139, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 139, 160) }
```

Border

The CSS property to change the border of an element to Yxy 21.2946, 0.2183, 0.2879 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, 139, 160) }
```

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

```
.border{ border-color:rgb(31, 139, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(31, 139, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 139, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 139, 160);  
box-shadow:4px 4px 4px 4px rgb(31, 139,  
160) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 21.2946, 0.2183, 0.2879$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 139, 160) }
```

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

```
.background{ background-color: rgb(31, 139,  
160) }
```

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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