

Converting Colors

$Yxy(20.3047, 0.2189, 0.2891)$

Have a look what the booklet for
Yxy(20.3047, 0.2189, 0.2891)
contains.

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Color

$\text{Yxy}(20.2999, 0.2189, 0.2890)$

Conversions

Conversions Part 1

Format	Color
Hex	1F889C
RGB	31, 136, 156
RGB Percent	12%, 53%, 61%
CMY	0.8775, 0.4667, 0.3882
CMYK	0.80, 0.13, 0.00, 0.39
HSL	190°, 67%, 37%
HSV	190°, 80%, 61%
XYZ	15.3759, 20.2999, 34.5660
YIQ	106.8850, -69.0000, -16.0400

Conversions

Conversions Part 2

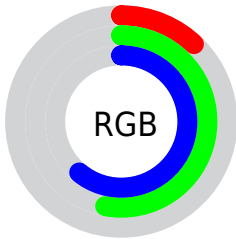
Format	Color
R_{YB}	31, 88, 156
Decimal	2066588
CIE _{Lab}	52.17, -21.42, -18.89
CIE _{LCh}	52, 28.558, 221.418
Yxy	20.2999, 0.2189, 0.2890
Android (android.graphics.Color)	4280256668 (0xFF1F889C)
YUV	106.8850, 24.2137, -66.5511
Hunter-Lab	45.0554, -17.9307, -13.9479

Details

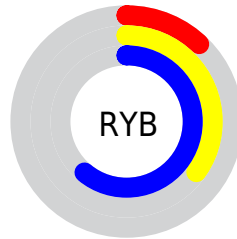
The Yxy color **20.2999, 0.2189, 0.2890** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **9.5603, 0.5598, 0.3531**, and the grayscale version is **14.6345, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.1267, 0.2385, 0.2989**, and **7.6755, 0.2092, 0.2733** is the 20% darker color. If you saturate the color by 10%, you get **19.4156, 0.2140, 0.2834**, and if you desaturate by 10%, it is **21.3197, 0.2256, 0.2946**.

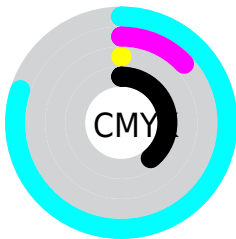
Distribution



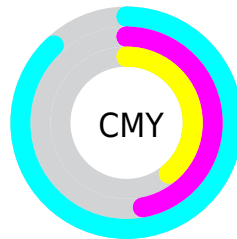
- Red (12%)
- Green (53%)
- Blue (61%)



- Red (12%)
- Yellow (35%)
- Blue (61%)



- Cyan (80%)
- Magenta (13%)
- Yellow (0%)
- Black (39%)





- Cyan (88%)
- Magenta (47%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.2999, 0.2189, 0.2890 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 20.2999, 0.2189, 0.2890 by changing the saturation by 10% instead.


 20.2999, 0.2189,
0.2890


 20.2999, 0.2189,
0.2890


 253.5341, 0.2703,
0.3130


 12.6132, 0.2046,
0.2813


 43.9194, 0.2387,
0.2989


 7.1628, 0.1854,
0.2703


 60.6211, 0.2458,
0.3022


 3.5641, 0.1585,
0.2534

 81.0965, 0.2517,
0.3049

 1.4328, 0.1190,
0.2249

 105.7301, 0.2566,
0.3071

 0.2407, 0.0000,
0.1225

 134.9062, 0.2608,
0.3089

 0.0000, 0.0000,
0.0000

 169.0093, 0.2644,

0.3105

208.4238, 0.2676,
0.3118

■ 20.2999, 0.2189,
0.2890

■ 20.2999, 0.2189,
0.2890

■ 19.4156, 0.2140,
0.2834

■ 21.3197, 0.2256,
0.2946

■ 18.6282, 0.2105,
0.2778

■ 22.4877, 0.2342,
0.3002

■ 18.6264, 0.2105,
0.2778

■ 23.8175, 0.2444,
0.3057

■ 25.3205, 0.2562,
0.3110

■ 27.0069, 0.2692,
0.3160

■ 28.8861, 0.2831,
0.3207

■ 30.9667, 0.2978,
0.3250

■ 33.2570, 0.3128,
0.3290

■ 35.7645, 0.3279,
0.3326

Harmonies

Analogous

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



20.2999, 0.2380, 0.3381



20.2999, 0.2189, 0.2890



20.2999, 0.2222, 0.2569

Triad

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



20.2999, 0.2189, 0.2890



20.2999, 0.3439, 0.2778



20.2999, 0.3770, 0.4205

Complementary

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



20.2999, 0.2189, 0.2890



9.5603, 0.5598, 0.3531

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.



20.2999, 0.4104, 0.3940



20.2999, 0.2189, 0.2890



20.2999, 0.3917, 0.3137

Square

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



20.2999, 0.2189, 0.2890



20.2999, 0.2905, 0.2535



20.2999, 0.4166, 0.3549



20.2999, 0.3280, 0.4212

Rectangle

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



20.2999, 0.2189, 0.2890



20.2999, 0.2365, 0.2470



20.2999, 0.4166, 0.3549



20.2999, 0.3905, 0.4139

Sweetspot

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



20.3006, 0.2189, 0.2890



50.8762, 0.2768, 0.3186



24.3064, 0.2939, 0.5479



10.9494, 0.2722, 0.3170



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



20.3006, 0.2189, 0.2890



34.1342, 0.2114, 0.2790



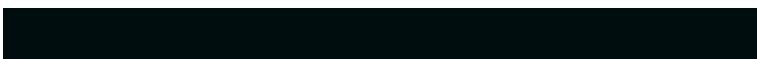
7.7157, 0.1844, 0.1566



7.3281, 0.2988, 0.3253



15.3815, 0.2106, 0.2782



0.3192, 0.2168, 0.3005

Inverse Universe

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



9.8390, 0.3540, 0.1867



16.0150, 0.3642, 0.1795



18.8335, 0.4654, 0.4428



6.7363, 0.3161, 0.3104



7.1750, 0.3651, 0.1785



0.1328, 0.3450, 0.1674

Previews

White Background



This preview shows how the Yxy color 20.2999, 0.2189, 0.2890 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 20.2999, 0.2189, 0.2890 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

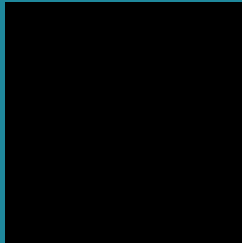
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.2999, 0.2189, 0.2890

Background



This preview shows how black text looks on a background with the Yxy color 20.2999, 0.2189, 0.2890.

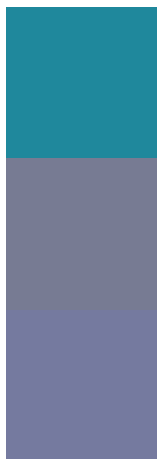


This preview shows how white text looks on a background with the Yxy color 20.2999, 0.2189, 0.2890.

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

20.2999, 0.2189, 0.2890

Protanopia

20.1944, 0.2827, 0.2860

Deuteranopia

20.2042, 0.2691, 0.2645



Tritanopia

20.2000, 0.2217, 0.3062

Trichromacy



Original Color

20.2999, 0.2189, 0.2890

Protanomaly

19.6666, 0.2502, 0.2868

Deuteranomaly

19.6258, 0.2430, 0.2710

Tritanomaly

20.3324, 0.2206, 0.3004

Monochromacy



Original Color

20.2999, 0.2189, 0.2890

Achromatopsia

14.7027, 0.3127, 0.3290

Achromatomaly

16.0998, 0.2613, 0.3138

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.2999, 0.2189, 0.2890 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, 136, 156)` looks like.

```
.text, #text, p{  
    color:rgb(31, 136, 156)  
}
```

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, 136, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 136, 156) }
```

Border

The CSS property to change the border of an element to Yxy 20.2999, 0.2189, 0.2890 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, 136, 156) }
```

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

```
.border{ border-color:rgb(31, 136, 156) }
```

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

Here you see how a box with a 4 pixel rgb(31, 136, 156) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 136, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 136, 156);  
box-shadow:4px 4px 4px 4px rgb(31, 136,  
156) }
```


Background

The CSS property to change the background color of an element to Yxy 20.2999, 0.2189, 0.2890 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 136, 156) }
```

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

```
.background{ background-color: rgb(31, 136,  
156) }
```

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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