

Converting Colors

$Yxy(20.0316, 0.2277, 0.3179)$

Have a look what the booklet for
Yxy(20.0316, 0.2277, 0.3179)
contains.

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Color

$\text{Yxy}(20.1514, 0.2279, 0.3184)$

Conversions

Conversions Part 1

Format	Color
Hex	20898E
RGB	32, 137, 142
RGB Percent	13%, 54%, 56%
CMY	0.8743, 0.4627, 0.4432
CMYK	0.77, 0.04, 0.00, 0.44
HSL	183°, 63%, 34%
HSV	183°, 77%, 56%
XYZ	14.4237, 20.1514, 28.7145
YIQ	106.1750, -64.1850, -20.7050

Conversions

Conversions Part 2

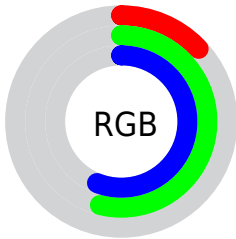
Format	Color
R_{YB}	32, 86, 142
Decimal	2132366
CIE _{Lab}	52.01, -26.44, -11.00
CIE _{LCh}	52, 28.639, 202.589
Yxy	20.1514, 0.2279, 0.3184
Android (android.graphics.Color)	4280322446 (0xFF20898E)
YUV	106.1750, 17.6617, -65.0515
Hunter-Lab	44.8903, -21.2043, -6.5021




Details

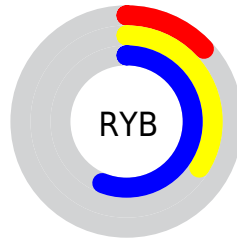
The Yxy color **20.1514, 0.2279, 0.3184** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **7.1788, 0.5650, 0.3359**, and the grayscale version is **14.4308, 0.3127, 0.3290**.




A 20% lighter version of the original color is **43.7885, 0.2461, 0.3214**, and **7.5891, 0.2203, 0.3131** is the 20% darker color. If you saturate the color by 10%, you get **19.7890, 0.2239, 0.3169**, and if you desaturate by 10%, it is **20.6144, 0.2336, 0.3199**.

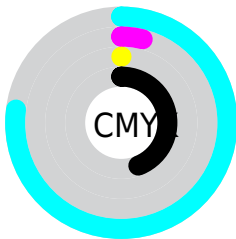
Distribution







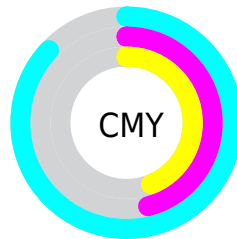
-  Red (13%)
-  Green (54%)
-  Blue (56%)






-  Red (13%)
-  Yellow (34%)
-  Blue (56%)



-  Cyan (77%)
-  Magenta (4%)
-  Yellow (0%)
-  Black (44%)





-  Cyan (87%)
-  Magenta (46%)
-  Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.1514, 0.2279, 0.3184 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 20.1514, 0.2279, 0.3184 by changing the saturation by 10% instead.


 20.1514, 0.2279,
0.3184


 20.1514, 0.2279,
0.3184


 252.7336, 0.2749,
0.3257


 12.5051, 0.2145,
0.3156


 43.6709, 0.2462,
0.3217

 7.0887, 0.1962,
0.3111


 60.3129, 0.2527,
0.3227


 3.5176, 0.1701,
0.3035

 80.7223, 0.2580,
0.3235

 1.4076, 0.1271,
0.2895

 105.2834, 0.2625,
0.3242

 0.2223, 0.0000,
0.1801

 134.3807, 0.2663,
0.3247

 0.0000, 0.0000,
0.0000

 168.3986, 0.2696,

0.3251

207.7214, 0.2724,
0.3254

■ 20.1514, 0.2279,
0.3184

■ 20.1514, 0.2279,
0.3184

■ 19.7890, 0.2239,
0.3169

■ 20.6144, 0.2336,
0.3199

■ 19.5041, 0.2215,
0.3155

■ 21.1870, 0.2412,
0.3214

■ 19.4342, 0.2209,
0.3151

■ 21.8796, 0.2505,
0.3228

■ 22.7009, 0.2614,
0.3243

■ 23.6587, 0.2738,
0.3256

■ 24.7603, 0.2872,
0.3269

■ 26.0122, 0.3016,
0.3282

■ 27.4207, 0.3166,
0.3293

■ 28.9919, 0.3319,
0.3303

Harmonies

Analogous

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



20.1514, 0.2603, 0.3719



20.1514, 0.2279, 0.3184



20.1514, 0.2171, 0.2744

Triad

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



20.1514, 0.2279, 0.3184



20.1514, 0.3099, 0.2605



20.1514, 0.4011, 0.4064

Complementary

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



20.1514, 0.2279, 0.3184



7.1788, 0.5650, 0.3359

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.



20.1514, 0.4185, 0.3704



20.1514, 0.2279, 0.3184



20.1514, 0.3636, 0.2899

Square

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



20.1514, 0.2279, 0.3184



20.1514, 0.2611, 0.2460



20.1514, 0.4049, 0.3288



20.1514, 0.3601, 0.4249

Rectangle

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



20.1514, 0.2279, 0.3184



20.1514, 0.2223, 0.2557



20.1514, 0.4049, 0.3288



20.1514, 0.4100, 0.3957

Sweetspot

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



20.1521, 0.2279, 0.3184



42.4667, 0.2790, 0.3262



19.7750, 0.3001, 0.5608



9.3507, 0.2747, 0.3257



71.0566, 0.3127, 0.3290



10.6539, 0.3127, 0.3290

Same Dimension

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



20.1521, 0.2279, 0.3184



34.5242, 0.2220, 0.3158



8.5005, 0.1960, 0.1938



6.0750, 0.2991, 0.3280



17.4602, 0.2209, 0.3152



0.1753, 0.2229, 0.3225

Inverse Universe

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



8.5910, 0.3287, 0.1744



13.5541, 0.3316, 0.1626



13.2814, 0.4796, 0.4210



5.5069, 0.3144, 0.3083



6.7490, 0.3323, 0.1604



0.0654, 0.3261, 0.1570

Previews

White Background



This preview shows how the Yxy color 20.1514, 0.2279, 0.3184 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 20.1514, 0.2279, 0.3184 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

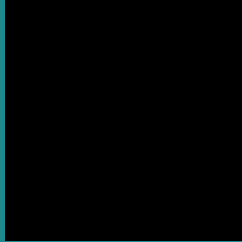
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.1514, 0.2279, 0.3184

Background



This preview shows how black text looks on a background with the Yxy color 20.1514, 0.2279, 0.3184.



This preview shows how white text looks on a background with the Yxy color 20.1514, 0.2279, 0.3184.

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

20.1514, 0.2279, 0.3184

Protanopia

19.8235, 0.3017, 0.3089

Deuteranopia

19.7934, 0.2890, 0.2829



Tritanopia

20.0900, 0.2256, 0.3063

Trichromacy



Original Color

20.1514, 0.2279, 0.3184

Protanomaly

19.1300, 0.2642, 0.3110

Deuteranomaly

19.1902, 0.2571, 0.2922

Tritanomaly

20.0100, 0.2265, 0.3102

Monochromacy



Original Color

20.1514, 0.2279, 0.3184

Achromatopsia

14.4128, 0.3127, 0.3290

Achromatomaly

15.7168, 0.2666, 0.3245

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.1514, 0.2279, 0.3184 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, 137, 142)` looks like.

```
.text, #text, p{  
    color:rgb(32, 137, 142)  
}
```

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, 137, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(32, 137, 142) }
```

Border

The CSS property to change the border of an element to Yxy 20.1514, 0.2279, 0.3184 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, 137, 142) }
```

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

```
.border{ border-color:rgb(32, 137, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(32, 137, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(32, 137, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(32, 137, 142);  
box-shadow:4px 4px 4px 4px rgb(32, 137,  
142) }
```


Background

The CSS property to change the background color of an element to Yxy 20.1514, 0.2279, 0.3184 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(32, 137, 142) }
```

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

```
.background{ background-color: rgb(32, 137,  
142) }
```

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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