

Converting Colors

$Yxy(20.5315, 0.2261, 0.3158)$

Have a look what the booklet for
Yxy(20.5315, 0.2261, 0.3158)
contains.

Yxy(20.4825, 0.2257, 0.3144)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(20.4825, 0.2257, 0.3144)

Conversions

Conversions Part 1

Format	Color
Hex	1D8A91
RGB	29, 138, 145
RGB Percent	11%, 54%, 57%
CMY	0.8865, 0.4588, 0.4314
CMYK	0.80, 0.05, 0.00, 0.43
HSL	184°, 67%, 34%
HSV	184°, 80%, 57%
XYZ	14.7039, 20.4825, 29.9615
YIQ	106.2070, -67.2110, -20.9310

Conversions

Conversions Part 2

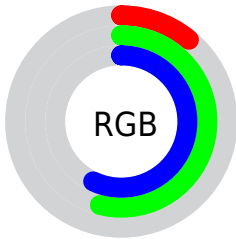
Format	Color
R _Y B	29, 85, 145
Decimal	1936017
CIE Lab	52.38, -26.32, -12.19
CIE LCh	52, 29.010, 204.853
Yxy	20.4825, 0.2257, 0.3144
Android (android.graphics.Color)	4280126097 (0xFF1D8A91)
YUV	106.2070, 19.1249, -67.7105
Hunter-Lab	45.2576, -21.2074, -7.5710




Details

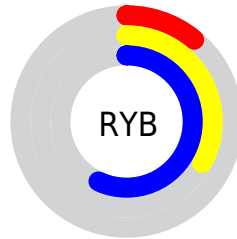
The Yxy color **20.4825, 0.2257, 0.3144** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **7.3644, 0.5743, 0.3377**, and the grayscale version is **14.4290, 0.3127, 0.3290**.




A 20% lighter version of the original color is **44.3096, 0.2443, 0.3186**, and **7.6426, 0.2178, 0.3041** is the 20% darker color. If you saturate the color by 10%, you get **20.0705, 0.2220, 0.3124**, and if you desaturate by 10%, it is **20.9974, 0.2311, 0.3164**.

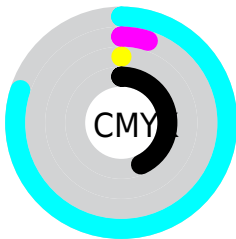
Distribution







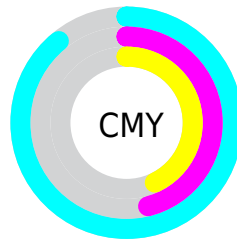
-  Red (11%)
-  Green (54%)
-  Blue (57%)






-  Red (11%)
-  Yellow (33%)
-  Blue (57%)



-  Cyan (80%)
-  Magenta (5%)
-  Yellow (0%)
-  Black (43%)




-  Cyan (89%)
-  Magenta (46%)
-  Yellow (43%)


Brightness & Saturation Gradients

These gradients show how the Yxy color 20.4825, 0.2257, 0.3144 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 20.4825, 0.2257, 0.3144 by changing the saturation by 10% instead.


 20.4825, 0.2257,
0.3144


 20.4825, 0.2257,
0.3144


 254.5153, 0.2737,
0.3240


 12.7463, 0.2121,
0.3109


 44.2247, 0.2443,
0.3186

 7.2541, 0.1937,
0.3055


 60.9994, 0.2509,
0.3200


 3.6215, 0.1675,
0.2964

 81.5557, 0.2564,
0.3210

 1.4642, 0.1261,
0.2799

 106.2780, 0.2610,
0.3219

 0.2633, 0.0000,
0.1863

 135.5508, 0.2649,
0.3226

 0.0000, 0.0000,
0.0000

 169.7583, 0.2682,

0.3232

209.2850, 0.2712,
0.3236

■ 20.4825, 0.2257,
0.3144

■ 20.4825, 0.2257,
0.3144

■ 20.0705, 0.2220,
0.3124

■ 20.9974, 0.2311,
0.3164

■ 19.7271, 0.2196,
0.3105

■ 21.6254, 0.2384,
0.3184

■ 22.3777, 0.2474,
0.3203

■ 23.2637, 0.2581,
0.3223

■ 24.2919, 0.2702,
0.3241

■ 25.4700, 0.2835,
0.3259

■ 26.8052, 0.2978,
0.3275

■ 28.3042, 0.3127,
0.3290

■ 29.9733, 0.3279,
0.3304

Harmonies

Analogous

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



20.4825, 0.2568, 0.3682



20.4825, 0.2257, 0.3144



20.4825, 0.2165, 0.2714

Triad

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



20.4825, 0.2257, 0.3144



20.4825, 0.3139, 0.2618



20.4825, 0.3992, 0.4091

Complementary

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



20.4825, 0.2257, 0.3144



7.3644, 0.5743, 0.3377

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.



20.4825, 0.4190, 0.3736



20.4825, 0.2257, 0.3144



20.4825, 0.3678, 0.2923

Square

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



20.4825, 0.2257, 0.3144



20.4825, 0.2640, 0.2459



20.4825, 0.4077, 0.3319



20.4825, 0.3567, 0.4260

Rectangle

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



20.4825, 0.2257, 0.3144



20.4825, 0.2230, 0.2536



20.4825, 0.4077, 0.3319



20.4825, 0.4089, 0.3987

Sweetspot

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



20.4833, 0.2257, 0.3144



44.6450, 0.2775, 0.3251



20.6275, 0.2991, 0.5646



9.7841, 0.2733, 0.3245



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



20.4833, 0.2257, 0.3144



35.4715, 0.2202, 0.3109



8.2137, 0.1917, 0.1837



6.0615, 0.2990, 0.3276



16.9371, 0.2196, 0.3106



0.1728, 0.2223, 0.3204

Inverse Universe

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



8.7299, 0.3321, 0.1736



14.1507, 0.3358, 0.1638



13.8953, 0.4830, 0.4250



5.5055, 0.3146, 0.3086



6.6961, 0.3362, 0.1626



0.0651, 0.3279, 0.1580

Previews

White Background



This preview shows how the Yxy color 20.4825, 0.2257, 0.3144 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 20.4825, 0.2257, 0.3144 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

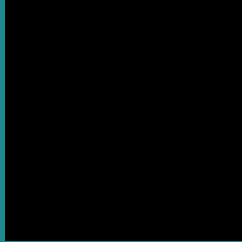
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.4825, 0.2257, 0.3144

Background



This preview shows how black text looks on a background with the Yxy color 20.4825, 0.2257, 0.3144.



This preview shows how white text looks on a background with the Yxy color 20.4825, 0.2257, 0.3144.

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

20.4825, 0.2257, 0.3144

Protanopia

20.1544, 0.2984, 0.3054

Deuteranopia

20.1298, 0.2860, 0.2798



Tritanopia

20.3683, 0.2237, 0.3044

Trichromacy



Original Color

20.4825, 0.2257, 0.3144

Protanomaly

19.4263, 0.2609, 0.3072

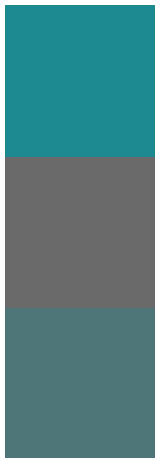
Deuteranomaly

19.4407, 0.2532, 0.2886

Tritanomaly

20.3207, 0.2240, 0.3063

Monochromacy



Original Color

20.4825, 0.2257, 0.3144

Achromatopsia

14.4128, 0.3127, 0.3290

Achromatomaly

15.9326, 0.2650, 0.3245

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.4825, 0.2257, 0.3144 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(29, 138, 145)` looks like.

```
.text, #text, p{  
    color:rgb(29, 138, 145)  
}
```

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(29, 138, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(29, 138, 145) }
```

Border

The CSS property to change the border of an element to Yxy 20.4825, 0.2257, 0.3144 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(29, 138, 145) }
```

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

```
.border{ border-color:rgb(29, 138, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(29, 138, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(29, 138, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(29, 138, 145);  
box-shadow:4px 4px 4px 4px rgb(29, 138,  
145) }
```


Background

The CSS property to change the background color of an element to Yxy 20.4825, 0.2257, 0.3144 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(29, 138, 145) }
```

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

```
.background{ background-color: rgb(29, 138,  
145) }
```

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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