

Converting Colors

$Yxy(20.9549, 0.2219, 0.3188)$

Have a look what the booklet for
 $Y_{xy}(20.9549, 0.2219, 0.3188)$
contains.

$Y_{xy}(20.8005, 0.2218, 0.3184)$	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

$Y_{xy}(20.8005, 0.2218, 0.3184)$

Conversions

Conversions Part 1

Format	Color
Hex	008C91
RGB	0, 140, 145
RGB Percent	0%, 55%, 57%
CMY	0.9995, 0.4510, 0.4314
CMYK	1.00, 0.03, 0.00, 0.43
HSL	182°, 100%, 28%
HSV	182°, 100%, 57%
XYZ	14.4898, 20.8005, 30.0379
YIQ	98.7100, -85.0450, -28.1250

Conversions

Conversions Part 2

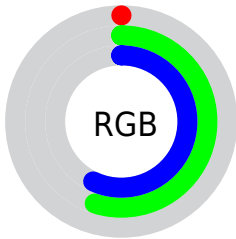
Format	Color
RYB	0, 71, 145
Decimal	35985
CIELab	52.73, -29.15, -11.70
CIELCh	53, 31.408, 201.863
Yxy	20.8005, 0.2218, 0.3184
Android (android.graphics.Color)	4278226065 (0xFF008C91)
YUV	98.7100, 22.8210, -86.5687
Hunter-Lab	45.6076, -23.1027, -7.1241

Details

The Yxy color **20.8005, 0.2218, 0.3184** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **6.1313, 0.6365, 0.3326**, and the grayscale version is **12.3691, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.7333, 0.2409, 0.3214**, and **7.9710, 0.2196, 0.3104** is the 20% darker color. If you saturate the color by 10%, you get **20.7990, 0.2218, 0.3184**, and if you desaturate by 10%, it is **21.0455, 0.2240, 0.3195**.

Distribution



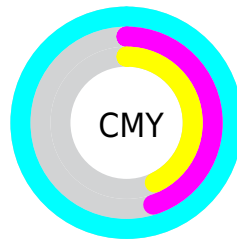
- Red (0%)
- Green (55%)
- Blue (57%)



- Red (0%)
- Yellow (28%)
- Blue (57%)



- Cyan (100%)
- Magenta (3%)
- Yellow (0%)
- Black (43%)




- Cyan (100%)
- Magenta (45%)
- Yellow (43%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 20.8005, 0.2218, 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 20.8005, 0.2218, 0.3184 by changing the saturation by 10% instead.


 20.8005, 0.2218,
0.3184

 20.8005, 0.2218,
0.3184


 256.2164, 0.2718,
0.3259


 12.9783, 0.2077,
0.3155


 44.7553, 0.2411,
0.3218

 7.4136, 0.1887,
0.3109


 61.6566, 0.2480,
0.3229


 3.7221, 0.1619,
0.3029

 82.3531, 0.2537,
0.3237

 1.5193, 0.1191,
0.2882

 107.2291, 0.2585,
0.3243

 0.3023, 0.0000,
0.2069

 136.6690, 0.2626,
0.3248

 0.0000, 0.0000,
0.0000

 171.0573, 0.2661,

0.3252

210.7782, 0.2691,
0.3256

■ 20.8005, 0.2218,
0.3184

■ 20.8005, 0.2218,
0.3184

■ 20.7990, 0.2218,
0.3184

■ 21.0455, 0.2240,
0.3195

■ 21.3573, 0.2274,
0.3206

■ 21.7695, 0.2325,
0.3217

■ 22.2942, 0.2395,
0.3229

■ 22.9421, 0.2483,
0.3240

■ 23.7224, 0.2587,
0.3251

■ 24.6437, 0.2706,
0.3262

■ 25.7137, 0.2838,
0.3272

■ 26.9395, 0.2980,
0.3281

Harmonies

Analogous

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



20.8005, 0.2570, 0.3770



20.8005, 0.2218, 0.3184



20.8005, 0.2098, 0.2705

Triad

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



20.8005, 0.2218, 0.3184



20.8005, 0.3080, 0.2548



20.8005, 0.4089, 0.4114

Complementary

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



20.8005, 0.2218, 0.3184



6.1313, 0.6365, 0.3326

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.



20.8005, 0.4274, 0.3718



20.8005, 0.2218, 0.3184



20.8005, 0.3665, 0.2859

Square

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



20.8005, 0.2218, 0.3184



20.8005, 0.2558, 0.2396



20.8005, 0.4121, 0.3271



20.8005, 0.3648, 0.4331

Rectangle

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



20.8005, 0.2218, 0.3184



20.8005, 0.2151, 0.2503



20.8005, 0.4121, 0.3271



20.8005, 0.4185, 0.3994

Sweetspot

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



20.8013, 0.2218, 0.3184



44.0072, 0.2697, 0.3261



20.2618, 0.2992, 0.5971



9.6471, 0.2651, 0.3257



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.



20.8013, 0.2218, 0.3184



37.1947, 0.2217, 0.3182



6.1479, 0.1751, 0.1503



6.0849, 0.2991, 0.3282



17.8487, 0.2218, 0.3185



0.1771, 0.2233, 0.3240

Inverse Universe

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



7.9160, 0.3295, 0.1590



14.1657, 0.3297, 0.1590



11.3833, 0.5282, 0.4187



5.5079, 0.3142, 0.3080



6.7882, 0.3295, 0.1589



0.0656, 0.3248, 0.1563

Previews

White Background



This preview shows how the Yxy color 20.8005, 0.2218, 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 20.8005, 0.2218, 0.3184 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

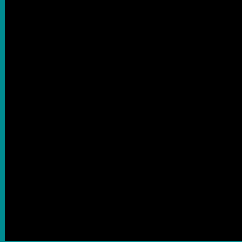
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.8005, 0.2218, 0.3184

Background



This preview shows how black text looks on a background with the Yxy color 20.8005, 0.2218, 0.3184.

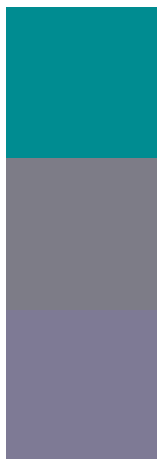


This preview shows how white text looks on a background with the Yxy color 20.8005, 0.2218, 0.3184.

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

20.8005, 0.2218, 0.3184

Protanopia

20.5245, 0.3018, 0.3092

Deuteranopia

20.5246, 0.2883, 0.2819



Tritanopia

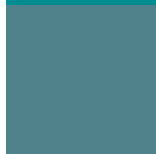
20.8160, 0.2212, 0.3065

Trichromacy



Original Color

20.8005, 0.2218, 0.3184



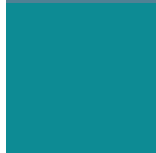
Protanomaly

19.5348, 0.2538, 0.3109



Deuteranomaly

19.5441, 0.2464, 0.2918



Tritanomaly

20.6889, 0.2212, 0.3103

Monochromacy



Original Color

20.8005, 0.2218, 0.3184



Achromatopsia

12.4772, 0.3127, 0.3290



Achromatomaly

14.3523, 0.2534, 0.3242

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.8005, 0.2218, 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(0, 140, 145)` looks like.

```
.text, #text, p{  
    color:rgb(0, 140, 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(0, 140, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 140, 145) }
```

Border

The CSS property to change the border of an element to Yxy 20.8005, 0.2218, 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(0, 140, 145) }
```

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

```
.border{ border-color:rgb(0, 140, 145) }
```

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

Here you see how a box with a 4 pixel rgb(0, 140, 145) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 140, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 140, 145);  
box-shadow:4px 4px 4px 4px rgb(0, 140,  
145) }
```


Background

The CSS property to change the background color of an element to Yxy 20.8005, 0.2218, 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(0, 140, 145) }
```

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

```
.background{ background-color: rgb(0, 140,  
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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