

Converting Colors

$Yxy(20.6023, 0.2113, 0.3046)$

Have a look what the booklet for
Yxy(20.6023, 0.2113, 0.3046)
contains.

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Color

$\text{Yxy}(21.0232, 0.2179, 0.3045)$

Conversions

Conversions Part 1

Format	Color
Hex	008C98
RGB	0, 140, 152
RGB Percent	0%, 55%, 60%
CMY	1.0000, 0.4510, 0.4039
CMYK	1.00, 0.08, 0.00, 0.40
HSL	185°, 100%, 30%
HSV	185°, 100%, 60%
XYZ	15.0442, 21.0232, 32.9743
YIQ	99.5080, -87.2920, -25.9480

Conversions

Conversions Part 2

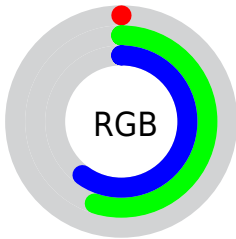
Format	Color
RYB	0, 73, 152
Decimal	35992
CIELab	52.97, -26.84, -15.39
CIELCh	53, 30.936, 209.824
Yxy	21.0232, 0.2179, 0.3045
Android (android.graphics.Color)	4278226072 (0xFF008C98)
YUV	99.5080, 25.8786, -87.2685
Hunter-Lab	45.8511, -21.6717, -10.5433

Details

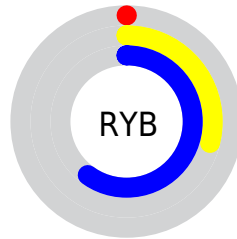
The Yxy color **21.0232, 0.2179, 0.3045** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **6.9393, 0.6329, 0.3357**, and the grayscale version is **12.5633, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.1145, 0.2379, 0.3114**, and **8.0843, 0.2148, 0.2933** is the 20% darker color. If you saturate the color by 10%, you get **21.0252, 0.2179, 0.3045**, and if you desaturate by 10%, it is **21.4812, 0.2205, 0.3071**.

Distribution



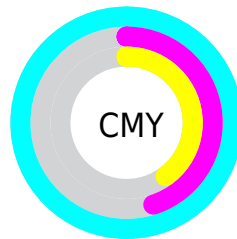
- Red (0%)
- Green (55%)
- Blue (60%)



- Red (0%)
- Yellow (29%)
- Blue (60%)



- Cyan (100%)
- Magenta (8%)
- Yellow (0%)
- Black (40%)




- Cyan (100%)
- Magenta (45%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.0232, 0.2179, 0.3045 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 21.0232, 0.2179, 0.3045 by changing the saturation by 10% instead.


 21.0232, 0.2179,
0.3045


 21.0232, 0.2179,
0.3045


 257.4018, 0.2697,
0.3199

 13.1410, 0.2035,
0.2992


 45.1261, 0.2378,
0.3110


 7.5257, 0.1842,
0.2914


 62.1156, 0.2450,
0.3132


 3.7930, 0.1573,
0.2789

 82.9097, 0.2509,
0.3149

 1.5584, 0.1171,
0.2569

 107.8926, 0.2559,
0.3163

 0.3293, 0.0000,
0.1786

 137.4489, 0.2601,
0.3174

 0.0000, 0.0000,
0.0000

 171.9630, 0.2637,

0.3184

211.8191, 0.2669,
0.3192

■ 21.0232, 0.2179,
0.3045

■ 21.0232, 0.2179,
0.3045

■ 21.0252, 0.2179,
0.3045

■ 21.4812, 0.2205,
0.3071

■ 22.0166, 0.2244,
0.3097

■ 22.6666, 0.2300,
0.3124

■ 23.4451, 0.2375,
0.3150

■ 24.3641, 0.2468,
0.3176

■ 25.4341, 0.2577,
0.3202

■ 26.6645, 0.2700,
0.3226

■ 28.0643, 0.2834,
0.3249

■ 29.6413, 0.2978,
0.3270

Harmonies

Analogous

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



21.0232, 0.2468, 0.3610



21.0232, 0.2179, 0.3045



21.0232, 0.2123, 0.2625

Triad

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



21.0232, 0.2179, 0.3045



21.0232, 0.3235, 0.2628



21.0232, 0.3977, 0.4180

Complementary

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



21.0232, 0.2179, 0.3045



6.9393, 0.6329, 0.3357

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.



21.0232, 0.4236, 0.3825



21.0232, 0.2179, 0.3045



21.0232, 0.3795, 0.2967

Square

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



21.0232, 0.2179, 0.3045



21.0232, 0.2690, 0.2433



21.0232, 0.4175, 0.3389



21.0232, 0.3499, 0.4318

Rectangle

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



21.0232, 0.2179, 0.3045



21.0232, 0.2216, 0.2465



21.0232, 0.4175, 0.3389



21.0232, 0.4094, 0.4078

Sweetspot

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



21.0252, 0.2179, 0.3045



46.9246, 0.2692, 0.3224



22.4817, 0.2985, 0.5947



10.4676, 0.2643, 0.3215



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



21.0252, 0.2179, 0.3045



36.9863, 0.2178, 0.3040



6.1486, 0.1719, 0.1389



6.9431, 0.2989, 0.3272



17.6475, 0.2180, 0.3047



0.2852, 0.2212, 0.3163

Inverse Universe

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



8.5699, 0.3415, 0.1655



15.1126, 0.3419, 0.1657



13.3540, 0.5194, 0.4258



6.3152, 0.3149, 0.3088



7.1868, 0.3413, 0.1654



0.1096, 0.3313, 0.1599

Previews

White Background



This preview shows how the Yxy color 21.0232, 0.2179, 0.3045 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 21.0232, 0.2179, 0.3045 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

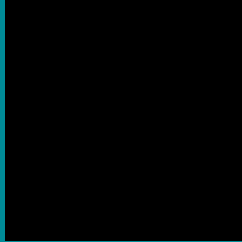
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.0232, 0.2179, 0.3045

Background



This preview shows how black text looks on a background with the Yxy color 21.0232, 0.2179, 0.3045.

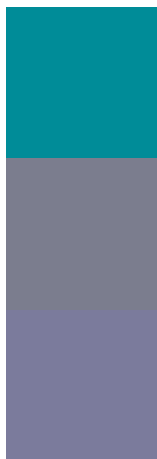


This preview shows how white text looks on a background with the Yxy color 21.0232, 0.2179, 0.3045.

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

21.0232, 0.2179, 0.3045

Protanopia

20.8312, 0.2922, 0.2986

Deuteranopia

20.7772, 0.2783, 0.2721



Tritanopia

20.9905, 0.2185, 0.3065

Trichromacy



Original Color

21.0232, 0.2179, 0.3045

Protanomaly

19.6603, 0.2468, 0.2974

Deuteranomaly

19.6868, 0.2398, 0.2792

Tritanomaly

20.9905, 0.2185, 0.3065

Monochromacy



Original Color

21.0232, 0.2179, 0.3045

Achromatopsia

12.7438, 0.3127, 0.3290

Achromatomaly

14.6834, 0.2520, 0.3197

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.0232, 0.2179, 0.3045 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, 152)` looks like.

```
.text, #text, p{  
    color:rgb(0, 140, 152)  
}
```

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, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 140, 152) }
```

Border

The CSS property to change the border of an element to Yxy 21.0232, 0.2179, 0.3045 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, 152) }
```

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

```
.border{ border-color:rgb(0, 140, 152) }
```

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, 152) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 140, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 140, 152);  
box-shadow:4px 4px 4px 4px rgb(0, 140,  
152) }
```


Background

The CSS property to change the background color of an element to Yxy 21.0232, 0.2179, 0.3045 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, 152) }
```

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

```
.background{ background-color: rgb(0, 140,  
152) }
```

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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