

Converting Colors

$Yxy(21.0293, 0.2192, 0.3065)$

Have a look what the booklet for
Yxy(21.0293, 0.2192, 0.3065)
contains.

Yxy(21.0293, 0.2192, 0.3065)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$\text{Yxy}(21.0293, 0.2192, 0.3065)$

Conversions

Conversions Part 1

Format	Color
Hex	068C97
RGB	6, 140, 151
RGB Percent	2%, 55%, 59%
CMY	0.9761, 0.4510, 0.4079
CMYK	0.96, 0.07, 0.00, 0.41
HSL	185°, 92%, 31%
HSV	185°, 96%, 59%
XYZ	15.0396, 21.0293, 32.5422
YIQ	101.1880, -83.3950, -24.9870

Conversions

Conversions Part 2

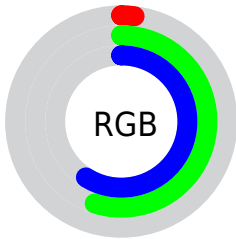
Format	Color
RYB	6, 76, 151
Decimal	429207
CIELab	52.98, -26.90, -14.79
CIELCh	53, 30.692, 208.799
Yxy	21.0293, 0.2192, 0.3065
Android (android.graphics.Color)	4278619287 (0xFF068C97)
YUV	101.1880, 24.5573, -83.4799
Hunter-Lab	45.8577, -21.7099, -9.9739

Details

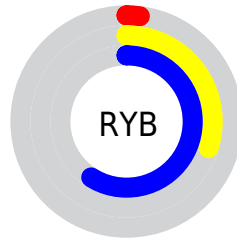
The Yxy color **21.0293, 0.2192, 0.3065** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **6.9963, 0.6238, 0.3358**, and the grayscale version is **13.0251, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.1152, 0.2388, 0.3129**, and **8.0649, 0.2156, 0.2961** is the 20% darker color. If you saturate the color by 10%, you get **20.8555, 0.2182, 0.3055**, and if you desaturate by 10%, it is **21.4890, 0.2221, 0.3090**.

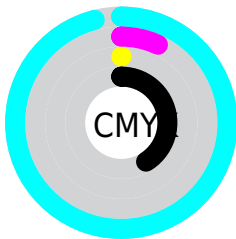
Distribution



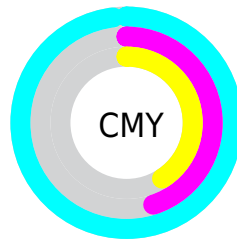
- Red (2%)
- Green (55%)
- Blue (59%)



- Red (2%)
- Yellow (30%)
- Blue (59%)



- Cyan (96%)
- Magenta (7%)
- Yellow (0%)
- Black (41%)





- Cyan (98%)
- Magenta (45%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.0293, 0.2192, 0.3065 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 21.0293, 0.2192, 0.3065 by changing the saturation by 10% instead.


 21.0293, 0.2192,
0.3065


 21.0293, 0.2192,
0.3065


 257.4342, 0.2704,
0.3208


 13.1454, 0.2050,
0.3016


 45.1363, 0.2389,
0.3126


 7.5288, 0.1858,
0.2943


 62.1282, 0.2459,
0.3146

 3.7949, 0.1591,
0.2825

 82.9249, 0.2518,
0.3162

 1.5595, 0.1189,
0.2615

 107.9108, 0.2567,
0.3174

 0.3301, 0.0000,
0.1844

 137.4703, 0.2609,
0.3185

 0.0000, 0.0000,
0.0000

 171.9877, 0.2645,

0.3194

211.8476, 0.2676,
0.3201

■ 21.0293, 0.2192,
0.3065

■ 21.0293, 0.2192,
0.3065

■ 20.8555, 0.2182,
0.3055

■ 21.4890, 0.2221,
0.3090

■ 22.0480, 0.2266,
0.3115

■ 22.7254, 0.2330,
0.3141

■ 23.5340, 0.2412,
0.3166

■ 24.4850, 0.2511,
0.3191

■ 25.5882, 0.2625,
0.3215

■ 26.8527, 0.2753,
0.3237

■ 28.2867, 0.2892,
0.3259

■ 29.8981, 0.3038,
0.3279

Harmonies

Analogous

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



21.0293, 0.2487, 0.3627



21.0293, 0.2192, 0.3065



21.0293, 0.2129, 0.2641

Triad

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



21.0293, 0.2192, 0.3065



21.0293, 0.3214, 0.2624



21.0293, 0.3984, 0.4164

Complementary

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



21.0293, 0.2192, 0.3065



6.9963, 0.6238, 0.3358

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.



21.0293, 0.4231, 0.3807



21.0293, 0.2192, 0.3065



21.0293, 0.3773, 0.2956

Square

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



21.0293, 0.2192, 0.3065



21.0293, 0.2677, 0.2435



21.0293, 0.4159, 0.3374



21.0293, 0.3515, 0.4310

Rectangle

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



21.0293, 0.2192, 0.3065



21.0293, 0.2216, 0.2477



21.0293, 0.4159, 0.3374



21.0293, 0.4097, 0.4061

Sweetspot

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



21.0301, 0.2192, 0.3065



47.2377, 0.2705, 0.3229



22.2079, 0.2986, 0.5904



10.5352, 0.2655, 0.3220



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.



21.0301, 0.2192, 0.3065



37.2327, 0.2181, 0.3050



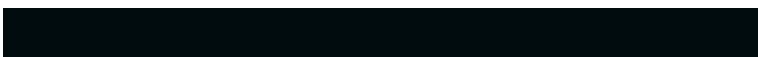
6.5166, 0.1752, 0.1467



6.9463, 0.2989, 0.3273



17.7618, 0.2182, 0.3056



0.2861, 0.2213, 0.3168

Inverse Universe

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



8.6049, 0.3396, 0.1664



15.1375, 0.3410, 0.1652



13.6063, 0.5118, 0.4272



6.3156, 0.3148, 0.3087



7.1984, 0.3405, 0.1649



0.1097, 0.3309, 0.1596

Previews

White Background



This preview shows how the Yxy color 21.0293, 0.2192, 0.3065 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 21.0293, 0.2192, 0.3065 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

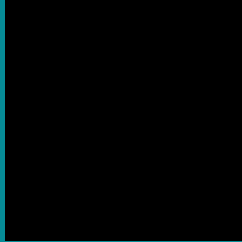
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.0293, 0.2192, 0.3065

Background



This preview shows how black text looks on a background with the Yxy color 21.0293, 0.2192, 0.3065.

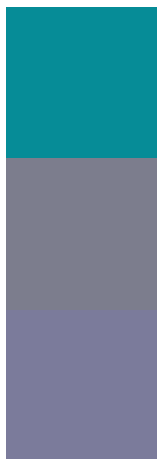


This preview shows how white text looks on a background with the Yxy color 21.0293, 0.2192, 0.3065.

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

21.0293, 0.2192, 0.3065

Protanopia

20.8754, 0.2944, 0.3005

Deuteranopia

20.7434, 0.2792, 0.2736



Tritanopia

21.0422, 0.2194, 0.3065

Trichromacy



Original Color

21.0293, 0.2192, 0.3065

Protanomaly

19.7589, 0.2499, 0.2995

Deuteranomaly

19.7391, 0.2420, 0.2811

Tritanomaly

21.0357, 0.2193, 0.3065

Monochromacy



Original Color

21.0293, 0.2192, 0.3065

Achromatopsia

13.0136, 0.3127, 0.3290

Achromatomaly

14.7516, 0.2537, 0.3197

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.0293, 0.2192, 0.3065 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(6, 140, 151)` looks like.

```
.text, #text, p{  
    color:rgb(6, 140, 151)  
}
```

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(6, 140, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(6, 140, 151) }
```

Border

The CSS property to change the border of an element to Yxy 21.0293, 0.2192, 0.3065 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(6, 140, 151) }
```

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

```
.border{ border-color:rgb(6, 140, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(6, 140, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(6, 140, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(6, 140, 151);  
box-shadow:4px 4px 4px 4px rgb(6, 140,  
151) }
```


Background

The CSS property to change the background color of an element to Yxy 21.0293, 0.2192, 0.3065 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(6, 140, 151) }
```

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

```
.background{ background-color: rgb(6, 140,  
151) }
```

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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