

Converting Colors

$Y_{xy}(11.0092, 0.2226, 0.3180)$

Have a look what the booklet for
Yxy(11.0092, 0.2226, 0.3180)
contains.

Yxy(11.0092, 0.2226, 0.3180)	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

$Y_{xy}(11.0092, 0.2226, 0.3180)$

Conversions

Conversions Part 1

Format	Color
Hex	04686C
RGB	4, 104, 108
RGB Percent	2%, 41%, 42%
CMY	0.9845, 0.5921, 0.5765
CMYK	0.96, 0.04, 0.00, 0.58
HSL	182°, 93%, 22%
HSV	182°, 96%, 42%
XYZ	7.7064, 11.0092, 15.9045
YIQ	74.5560, -60.8840, -19.9560

Conversions

Conversions Part 2

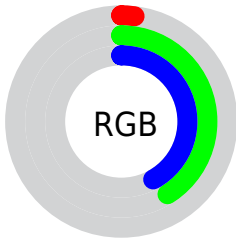
Format	Color
RYB	4, 55, 108
Decimal	288876
CIELab	39.60, -23.23, -9.47
CIELCh	40, 25.087, 202.189
Yxy	11.0092, 0.2226, 0.3180
Android (android.graphics.Color)	4278478956 (0xFF04686C)
YUV	74.5560, 16.4879, -61.8776
Hunter-Lab	33.1801, -16.6066, -5.1939

Details

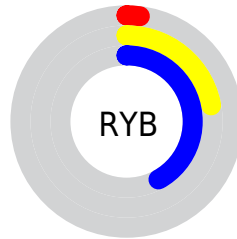
The Yxy color **11.0092, 0.2226, 0.3180** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **3.3691, 0.6234, 0.3338**, and the grayscale version is **6.9283, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.8166, 0.2457, 0.3234**, and **3.1653, 0.2185, 0.3065** is the 20% darker color. If you saturate the color by 10%, you get **10.9535, 0.2216, 0.3176**, and if you desaturate by 10%, it is **11.1672, 0.2256, 0.3192**.

Distribution



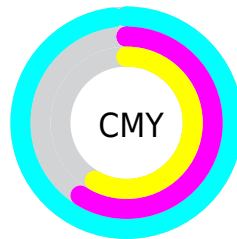
- Red (2%)
- Green (41%)
- Blue (42%)



- Red (2%)
- Yellow (22%)
- Blue (42%)



- Cyan (96%)
- Magenta (4%)
- Yellow (0%)
- Black (58%)




- Cyan (98%)
- Magenta (59%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.0092, 0.2226, 0.3180 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 11.0092, 0.2226, 0.3180 by changing the saturation by 10% instead.


 11.0092, 0.2226,
0.3180


 11.0092, 0.2226,
0.3180


197.7307, 0.2769,
0.3262


 6.0730, 0.2047,
0.3141

 27.6772, 0.2452,
0.3220


 2.8895, 0.1784,
0.3071


 40.1778, 0.2527,
0.3232

 1.0743, 0.1225,
0.2973

 55.9686, 0.2588,
0.3240


 0.0000, 0.0000,
0.0000

 75.4341, 0.2637,
0.3247

 98.9587, 0.2678,
0.3252


 126.9267, 0.2713,


0.3256


 159.7226, 0.2743,
0.3259


 11.0092, 0.2226,
0.3180


 11.0092, 0.2226,
0.3180

 10.9535, 0.2216,
0.3176

 11.1672, 0.2256,
0.3192

 11.3655, 0.2299,
0.3204

 11.6176, 0.2360,
0.3216

 11.9290, 0.2437,
0.3229

 12.3044, 0.2531,
0.3241

■ 12.7482, 0.2640,
0.3252

■ 13.2641, 0.2762,
0.3264

■ 13.8559, 0.2894,
0.3274

■ 14.5270, 0.3035,
0.3284

Harmonies

Analogous

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



11.0092, 0.2572, 0.3758



11.0092, 0.2226, 0.3180



11.0092, 0.2110, 0.2708

Triad

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



11.0092, 0.2226, 0.3180



11.0092, 0.3087, 0.2559



11.0092, 0.4074, 0.4108

Complementary

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



11.0092, 0.2226, 0.3180



3.3691, 0.6234, 0.3338

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.



11.0092, 0.4260, 0.3719



11.0092, 0.2226, 0.3180



11.0092, 0.3665, 0.2868

Square

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



11.0092, 0.2226, 0.3180



11.0092, 0.2569, 0.2406



11.0092, 0.4111, 0.3277



11.0092, 0.3637, 0.4318

Rectangle

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



11.0092, 0.2226, 0.3180



11.0092, 0.2164, 0.2510



11.0092, 0.4111, 0.3277



11.0092, 0.4170, 0.3991

Sweetspot

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



11.0096, 0.2226, 0.3180



22.9617, 0.2718, 0.3260



10.7658, 0.2992, 0.5908



5.4862, 0.2679, 0.3256



57.0482, 0.3127, 0.3290



6.3724, 0.3127, 0.3290

Same Dimension

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



11.0096, 0.2226, 0.3180



19.1926, 0.2215, 0.3173



3.6098, 0.1798, 0.1620



3.4730, 0.2997, 0.3282



13.0572, 0.2215, 0.3175



66.2321, 0.2213, 0.3168

Inverse Universe

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



4.2733, 0.3297, 0.1615



7.3428, 0.3305, 0.1594



6.3703, 0.5162, 0.4220



3.1620, 0.3142, 0.3092



4.9905, 0.3303, 0.1593



25.3984, 0.3309, 0.1597

Previews

White Background



This preview shows how the Yxy color 11.0092, 0.2226, 0.3180 looks on a white 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

Black Background



This preview shows how the Yxy color 11.0092, 0.2226, 0.3180 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

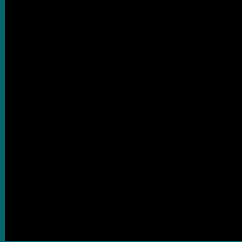
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

Yxy 11.0092, 0.2226, 0.3180

Background



This preview shows how black text looks on a background with the Yxy color 11.0092, 0.2226, 0.3180.



This preview shows how white text looks on a background with the Yxy color 11.0092, 0.2226, 0.3180.

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

11.0092, 0.2226, 0.3180

Protanopia

11.0954, 0.3014, 0.3103

Deuteranopia

10.9570, 0.2878, 0.2835



Tritanopia

10.9719, 0.2216, 0.3050

Trichromacy



Original Color

11.0092, 0.2226, 0.3180

Protanomaly

10.5410, 0.2565, 0.3108

Deuteranomaly

10.4836, 0.2498, 0.2936

Tritanomaly

10.9193, 0.2213, 0.3075

Monochromacy



Original Color

11.0092, 0.2226, 0.3180

Achromatopsia

7.0360, 0.3127, 0.3290

Achromatomaly

7.9967, 0.2573, 0.3259

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.0092, 0.2226, 0.3180 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(4, 104, 108)` looks like.

```
.text, #text, p{  
  color:rgb(4, 104, 108)  
}
```

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(4, 104, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(4, 104, 108) }
```

Border

The CSS property to change the border of an element to Yxy 11.0092, 0.2226, 0.3180 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(4, 104, 108) }
```

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

```
.border{ border-color:rgb(4, 104, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(4, 104, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 104, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(4, 104, 108);  
box-shadow:4px 4px 4px 4px rgb(4, 104,  
108) }
```


Background

The CSS property to change the background color of an element to Yxy 11.0092, 0.2226, 0.3180 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 104, 108) }
```

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

```
.background{ background-color: rgb(4, 104,  
108) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor