

Converting Colors

$Y_{xy}(15.2714, 0.2271, 0.3260)$

Have a look what the booklet for
Yxy(15.2714, 0.2271, 0.3260)
contains.

Yxy(15.1991, 0.2272, 0.3264)	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

$Y_{xy}(15.1991, 0.2272, 0.3264)$

Conversions

Conversions Part 1

Format	Color
Hex	11797A
RGB	17, 121, 122
RGB Percent	7%, 47%, 48%
CMY	0.9337, 0.5255, 0.5216
CMYK	0.86, 0.01, 0.00, 0.52
HSL	181°, 76%, 27%
HSV	181°, 86%, 48%
XYZ	10.5798, 15.1991, 20.7870
YIQ	90.0180, -62.3050, -21.7370

Conversions

Conversions Part 2

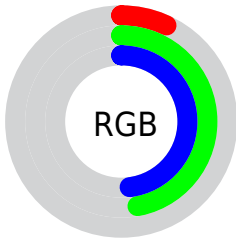
Format	Color
RYB	17, 69, 122
Decimal	1145210
CIELab	45.91, -26.32, -8.43
CIELCh	46, 27.632, 197.757
Yxy	15.1991, 0.2272, 0.3264
Android (android.graphics.Color)	4279335290 (0xFF11797A)
YUV	90.0180, 15.7671, -64.0368
Hunter-Lab	38.9860, -19.7854, -4.3227

Details

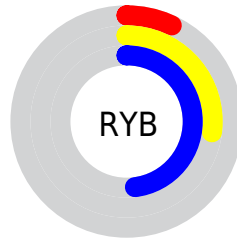
The Yxy color **15.1991, 0.2272, 0.3264** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **4.6066, 0.5990, 0.3309**, and the grayscale version is **10.1969, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.2594, 0.2473, 0.3288**, and **5.1158, 0.2236, 0.3250** is the 20% darker color. If you saturate the color by 10%, you get **15.0838, 0.2248, 0.3261**, and if you desaturate by 10%, it is **15.3720, 0.2311, 0.3267**.

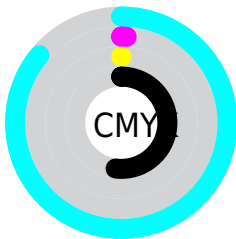
Distribution



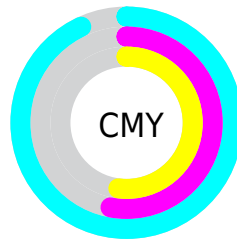
- Red (7%)
- Green (47%)
- Blue (48%)



- Red (7%)
- Yellow (27%)
- Blue (48%)



- Cyan (86%)
- Magenta (1%)
- Yellow (0%)
- Black (52%)





- Cyan (93%)
- Magenta (53%)
- Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.1991, 0.2272, 0.3264 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 15.1991, 0.2272, 0.3264 by changing the saturation by 10% instead.


 15.1991, 0.2272,
0.3264

 15.1991, 0.2272,
0.3264


 224.5682, 0.2767,
0.3292

 8.9592, 0.2121,
0.3247


 35.2021, 0.2471,
0.3280


 4.7146, 0.1906,
0.3217

 49.7340, 0.2539,
0.3284

 2.0808, 0.1584,
0.3152

 67.7987, 0.2595,
0.3286

 0.6538, 0.0000,
0.3276

 89.7806, 0.2641,
0.3288

 0.0000, 0.0000,
0.0000

 116.0641, 0.2680,
0.3290

 147.0336, 0.2713,

0.3291

183.0735, 0.2742,
0.3291

■ 15.1991, 0.2272,
0.3264

■ 15.1991, 0.2272,
0.3264

■ 15.0838, 0.2248,
0.3261

■ 15.3720, 0.2311,
0.3267

■ 15.0427, 0.2239,
0.3260

■ 15.6150, 0.2368,
0.3270

■ 15.9359, 0.2442,
0.3273

■ 16.3413, 0.2533,
0.3276

■ 16.8370, 0.2640,
0.3280

■ 17.4283, 0.2761,
0.3283

■ 18.1201, 0.2894,
0.3286

■ 18.9169, 0.3036,
0.3288

■ 19.8231, 0.3185,
0.3291

Harmonies

Analogous

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



15.1991, 0.2645, 0.3832



15.1991, 0.2272, 0.3264



15.1991, 0.2122, 0.2772

Triad

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



15.1991, 0.2272, 0.3264



15.1991, 0.3004, 0.2533



15.1991, 0.4110, 0.4051

Complementary

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



15.1991, 0.2272, 0.3264



4.6066, 0.5990, 0.3309

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.



15.1991, 0.4248, 0.3652



15.1991, 0.2272, 0.3264



15.1991, 0.3578, 0.2819

Square

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



15.1991, 0.2272, 0.3264



15.1991, 0.2513, 0.2408



15.1991, 0.4051, 0.3214



15.1991, 0.3707, 0.4294

Rectangle

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



15.1991, 0.2272, 0.3264



15.1991, 0.2152, 0.2553



15.1991, 0.4051, 0.3214



15.1991, 0.4191, 0.3929

Sweetspot

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



15.1997, 0.2272, 0.3264



30.6094, 0.2755, 0.3283



14.0766, 0.3009, 0.5811



6.9306, 0.2721, 0.3282



62.0916, 0.3127, 0.3290



7.8288, 0.3127, 0.3290

Same Dimension

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



15.1997, 0.2272, 0.3264



26.4546, 0.2239, 0.3259



5.8351, 0.1905, 0.1885



4.5063, 0.2994, 0.3288



15.8379, 0.2239, 0.3260



75.4730, 0.2239, 0.3258

Inverse Universe

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



5.9158, 0.3225, 0.1634



9.7003, 0.3232, 0.1554



8.4892, 0.5042, 0.4163



4.0769, 0.3138, 0.3081



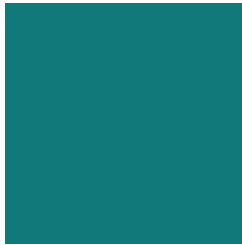
5.8057, 0.3232, 0.1554



27.6862, 0.3233, 0.1555

Previews

White Background



This preview shows how the Yxy color 15.1991, 0.2272, 0.3264 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 15.1991, 0.2272, 0.3264 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

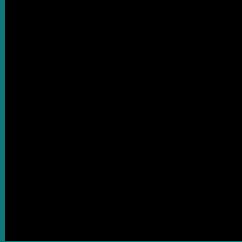
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

Yxy 15.1991, 0.2272, 0.3264

Background



This preview shows how black text looks on a background with the Yxy color 15.1991, 0.2272, 0.3264.

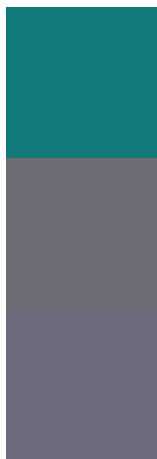


This preview shows how white text looks on a background with the Yxy color 15.1991, 0.2272, 0.3264.

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

15.1991, 0.2272, 0.3264

Protanopia

15.1912, 0.3065, 0.3167

Deuteranopia

15.1037, 0.2945, 0.2910



Tritanopia

15.2643, 0.2238, 0.3058

Trichromacy



Original Color

15.1991, 0.2272, 0.3264

Protanomaly

14.6311, 0.2644, 0.3198

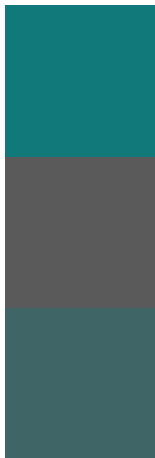
Deuteranomaly

14.3606, 0.2571, 0.3001

Tritanomaly

15.1474, 0.2249, 0.3125

Monochromacy



Original Color

15.1991, 0.2272, 0.3264

Achromatopsia

10.2242, 0.3127, 0.3290

Achromatomaly

11.3234, 0.2623, 0.3263

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.1991, 0.2272, 0.3264 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(17, 121, 122)` looks like.

```
.text, #text, p{  
    color:rgb(17, 121, 122)  
}
```

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(17, 121, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(17, 121, 122) }
```

Border

The CSS property to change the border of an element to Yxy 15.1991, 0.2272, 0.3264 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(17, 121, 122) }
```

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

```
.border{ border-color:rgb(17, 121, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(17, 121, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(17, 121, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(17, 121, 122);  
box-shadow:4px 4px 4px 4px rgb(17, 121,  
122) }
```


Background

The CSS property to change the background color of an element to Yxy 15.1991, 0.2272, 0.3264 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(17, 121, 122) }
```

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

```
.background{ background-color: rgb(17, 121,  
122) }
```

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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