

Converting Colors

$Y_{xy}(17.6490, 0.2244, 0.3088)$

Have a look what the booklet for
Yxy(17.6490, 0.2244, 0.3088)
contains.

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Color

Yxy(17.7824, 0.2247, 0.3093)

Conversions

Conversions Part 1

Format	Color
Hex	1C818A
RGB	28, 129, 138
RGB Percent	11%, 51%, 54%
CMY	0.8896, 0.4941, 0.4589
CMYK	0.80, 0.07, 0.00, 0.46
HSL	185°, 66%, 33%
HSV	185°, 80%, 54%
XYZ	12.9185, 17.7824, 26.7915
YIQ	99.8270, -63.0850, -18.6130

Conversions

Conversions Part 2

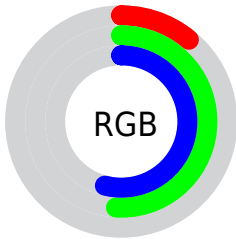
Format	Color
R_{YB}	28, 81, 138
Decimal	1868170
CIE _{Lab}	49.23, -24.09, -12.86
CIE _{LCh}	49, 27.309, 208.090
Yxy	17.7824, 0.2247, 0.3093
Android (android.graphics.Color)	4280058250 (0xFF1C818A)
YUV	99.8270, 18.8193, -62.9923
Hunter-Lab	42.1692, -19.1125, -8.1504

Details

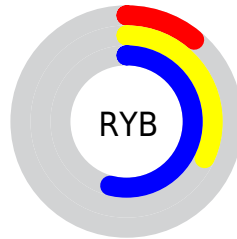
The Yxy color **17.7824, 0.2247, 0.3093** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **6.8181, 0.5678, 0.3409**, and the grayscale version is **12.6711, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.5446, 0.2442, 0.3151**, and **6.2965, 0.2164, 0.2990** is the 20% darker color. If you saturate the color by 10%, you get **17.3344, 0.2206, 0.3066**, and if you desaturate by 10%, it is **18.3244, 0.2305, 0.3120**.

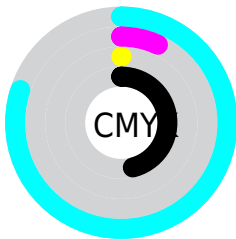
Distribution



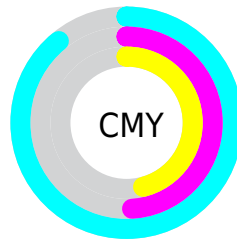
- Red (11%)
- Green (51%)
- Blue (54%)



- Red (11%)
- Yellow (32%)
- Blue (54%)



- Cyan (80%)
- Magenta (7%)
- Yellow (0%)
- Black (46%)




- Cyan (89%)
- Magenta (49%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.7824, 0.2247, 0.3093 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 17.7824, 0.2247, 0.3093 by changing the saturation by 10% instead.


 17.7824, 0.2247,
0.3093


 17.7824, 0.2247,
0.3093


 239.6417, 0.2742,
0.3221


 10.7939, 0.2103,
0.3047


 39.6662, 0.2442,
0.3149


 5.9284, 0.1904,
0.2975

 55.3302, 0.2510,
0.3167


 2.8016, 0.1616,
0.2855

 74.6549, 0.2566,
0.3181

 1.0290, 0.0996,
0.2674

 98.0246, 0.2613,
0.3192

 0.0000, 0.0000,
0.0000

 125.8238, 0.2653,
0.3201

 158.4367, 0.2687,

0.3209

196.2479, 0.2717,
0.3215

■ 17.7824, 0.2247,
0.3093

■ 17.7824, 0.2247,
0.3093

■ 17.3344, 0.2206,
0.3066

■ 18.3244, 0.2305,
0.3120

■ 16.9491, 0.2178,
0.3039

■ 18.9692, 0.2382,
0.3147

■ 16.9342, 0.2177,
0.3038

■ 19.7267, 0.2475,
0.3174

■ 20.6052, 0.2585,
0.3200

■ 21.6122, 0.2708,
0.3225

■ 22.7544, 0.2842,
0.3249

■ 24.0382, 0.2985,
0.3271

■ 25.4696, 0.3133,
0.3291

■ 27.0541, 0.3285,
0.3309

Harmonies

Analogous

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



17.7824, 0.2533, 0.3620



17.7824, 0.2247, 0.3093



17.7824, 0.2180, 0.2687

Triad

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



17.7824, 0.2247, 0.3093



17.7824, 0.3198, 0.2653



17.7824, 0.3945, 0.4111

Complementary

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



17.7824, 0.2247, 0.3093



6.8181, 0.5678, 0.3409

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.



17.7824, 0.4169, 0.3775



17.7824, 0.2247, 0.3093



17.7824, 0.3724, 0.2967

Square

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



17.7824, 0.2247, 0.3093



17.7824, 0.2693, 0.2478



17.7824, 0.4092, 0.3364



17.7824, 0.3508, 0.4248

Rectangle

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



17.7824, 0.2247, 0.3093



17.7824, 0.2260, 0.2526



17.7824, 0.4092, 0.3364



17.7824, 0.4049, 0.4014

Sweetspot

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



17.7831, 0.2247, 0.3093



39.0976, 0.2775, 0.3237



18.5466, 0.2984, 0.5601



8.6321, 0.2734, 0.3230



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



17.7831, 0.2247, 0.3093



30.0011, 0.2185, 0.3043



7.2167, 0.1915, 0.1809



5.6198, 0.2991, 0.3272



15.5391, 0.2178, 0.3039



0.1128, 0.2215, 0.3172

Inverse Universe

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



7.8243, 0.3364, 0.1771



12.3767, 0.3415, 0.1671



12.8646, 0.4781, 0.4277



5.1220, 0.3149, 0.3092



6.3529, 0.3420, 0.1658



0.0432, 0.3305, 0.1595

Previews

White Background



This preview shows how the Yxy color 17.7824, 0.2247, 0.3093 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 17.7824, 0.2247, 0.3093 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

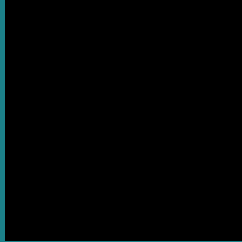
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.7824, 0.2247, 0.3093

Background



This preview shows how black text looks on a background with the Yxy color 17.7824, 0.2247, 0.3093.

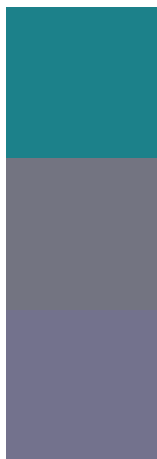


This preview shows how white text looks on a background with the Yxy color 17.7824, 0.2247, 0.3093.

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

17.7824, 0.2247, 0.3093

Protanopia

17.7206, 0.2965, 0.3041

Deuteranopia

17.6026, 0.2834, 0.2787



Tritanopia

17.8258, 0.2243, 0.3072

Trichromacy



Original Color

17.7824, 0.2247, 0.3093

Protanomaly

17.1797, 0.2596, 0.3061

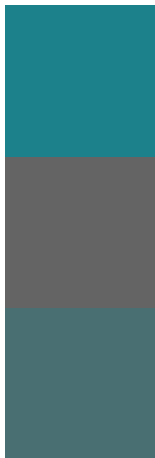
Deuteranomaly

16.9261, 0.2520, 0.2863

Tritanomaly

17.8258, 0.2243, 0.3072

Monochromacy



Original Color

17.7824, 0.2247, 0.3093

Achromatopsia

12.7438, 0.3127, 0.3290

Achromatomaly

14.0396, 0.2648, 0.3220

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.7824, 0.2247, 0.3093 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(28, 129, 138)` looks like.

```
.text, #text, p{  
    color:rgb(28, 129, 138)  
}
```

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(28, 129, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(28, 129, 138) }
```

Border

The CSS property to change the border of an element to Yxy 17.7824, 0.2247, 0.3093 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(28, 129, 138) }
```

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

```
.border{ border-color:rgb(28, 129, 138) }
```

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

Here you see how a box with a 4 pixel rgb(28, 129, 138) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(28, 129, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(28, 129, 138);  
box-shadow:4px 4px 4px 4px rgb(28, 129,  
138) }
```


Background

The CSS property to change the background color of an element to Yxy 17.7824, 0.2247, 0.3093 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(28, 129, 138) }
```

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

```
.background{ background-color: rgb(28, 129,  
138) }
```

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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