

Converting Colors

$Yxy(24.6945, 0.2124, 0.2781)$

Have a look what the booklet for
Yxy(24.6945, 0.2124, 0.2781)
contains.

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Color

Yxy(24.7978, 0.2125, 0.2783)

Conversions

Conversions Part 1

Format	Color
Hex	1295B1
RGB	18, 149, 177
RGB Percent	7%, 58%, 69%
CMY	0.9283, 0.4157, 0.3060
CMYK	0.90, 0.16, 0.00, 0.31
HSL	191°, 81%, 38%
HSV	191°, 90%, 69%
XYZ	18.9347, 24.7978, 45.3720
YIQ	113.0230, -87.0640, -19.0640

Conversions

Conversions Part 2

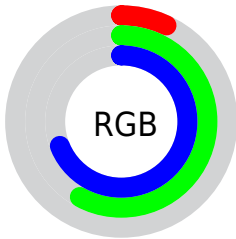
Format	Color
R_{YB}	18, 90, 177
Decimal	1217969
CIE _{Lab}	56.88, -22.11, -23.73
CIE _{LCh}	57, 32.437, 227.027
Yxy	24.7978, 0.2125, 0.2783
Android (android.graphics.Color)	4279408049 (0xFF1295B1)
YUV	113.0230, 31.5407, -83.3352
Hunter-Lab	49.7974, -19.2735, -19.1629

Details

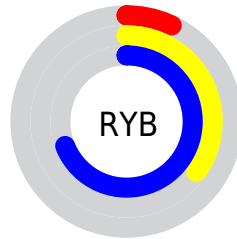
The Yxy color **24.7978, 0.2125, 0.2783** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **11.3648, 0.5942, 0.3512**, and the grayscale version is **16.4705, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.1917, 0.2321, 0.2891**, and **10.1906, 0.2063, 0.2626** is the 20% darker color. If you saturate the color by 10%, you get **23.6968, 0.2090, 0.2721**, and if you desaturate by 10%, it is **26.0429, 0.2175, 0.2846**.

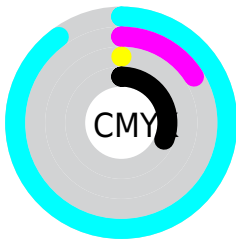
Distribution



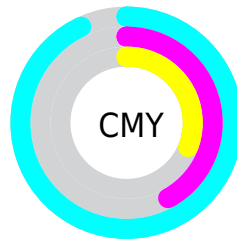
- Red (7%)
- Green (58%)
- Blue (69%)



- Red (7%)
- Yellow (35%)
- Blue (69%)



- Cyan (90%)
- Magenta (16%)
- Yellow (0%)
- Black (31%)





- Cyan (93%)
- Magenta (42%)
- Yellow (31%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 24.7978, 0.2125, 0.2783 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 24.7978, 0.2125, 0.2783 by changing the saturation by 10% instead.


 24.7978, 0.2125,
0.2783


 24.7978, 0.2125,
0.2783


 276.8295, 0.2655,
0.3075


 15.9265, 0.1986,
0.2697


 51.3290, 0.2323,
0.2899


 9.4721, 0.1804,
0.2578


 69.7577, 0.2396,
0.2939

 5.0504, 0.1559,
0.2405

 92.1409, 0.2457,
0.2972

 2.2769, 0.1221,
0.2137

 118.8631, 0.2509,
0.3000

 0.7614, 0.0420,
0.1739

 150.3087, 0.2553,
0.3023

 0.0000, 0.0000,
0.0000

 186.8620, 0.2592,

0.3043

228.9075, 0.2625,
0.3060

■ 24.7978, 0.2125,
0.2783

■ 24.7978, 0.2125,
0.2783

■ 23.6968, 0.2090,
0.2721

■ 26.0429, 0.2175,
0.2846

■ 23.6607, 0.2089,
0.2719

■ 27.4711, 0.2245,
0.2909

■ 29.1040, 0.2333,
0.2971

■ 30.9592, 0.2438,
0.3032

■ 33.0521, 0.2558,
0.3091

■ 35.3968, 0.2691,
0.3147

■ 38.0061, 0.2833,
0.3199

■ 40.8919, 0.2981,
0.3247

■ 44.0653, 0.3132,
0.3291

Harmonies

Analogous

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



24.7978, 0.2281, 0.3278



24.7978, 0.2125, 0.2783



24.7978, 0.2203, 0.2487

Triad

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



24.7978, 0.2125, 0.2783



24.7978, 0.3563, 0.2812



24.7978, 0.3717, 0.4288

Complementary

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



24.7978, 0.2125, 0.2783



11.3648, 0.5942, 0.3512

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.



24.7978, 0.4114, 0.4041



24.7978, 0.2125, 0.2783



24.7978, 0.4040, 0.3204

Square

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



24.7978, 0.2125, 0.2783



24.7978, 0.2991, 0.2530



24.7978, 0.4244, 0.3641



24.7978, 0.3182, 0.4237

Rectangle

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



24.7978, 0.2125, 0.2783



24.7978, 0.2381, 0.2412



24.7978, 0.4244, 0.3641



24.7978, 0.3872, 0.4232

Sweetspot

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



24.7987, 0.2125, 0.2783



64.3996, 0.2721, 0.3159



31.7549, 0.2940, 0.5679



13.6362, 0.2676, 0.3141



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



24.7987, 0.2125, 0.2783



42.0934, 0.2086, 0.2708



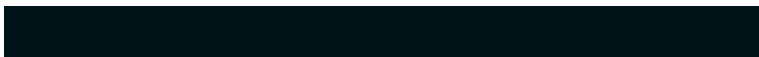
7.8352, 0.1718, 0.1288



9.3715, 0.2986, 0.3249



17.2268, 0.2091, 0.2726



0.6088, 0.2139, 0.2899

Inverse Universe

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



11.9566, 0.3645, 0.1833



20.4158, 0.3720, 0.1823



23.8254, 0.4792, 0.4485



8.6205, 0.3163, 0.3104



8.2792, 0.3704, 0.1814



0.2672, 0.3544, 0.1726

Previews

White Background



This preview shows how the Yxy color 24.7978, 0.2125, 0.2783 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 24.7978, 0.2125, 0.2783 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

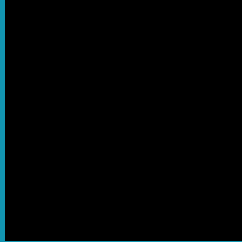
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.7978, 0.2125, 0.2783

Background



This preview shows how black text looks on a background with the Yxy color 24.7978, 0.2125, 0.2783.

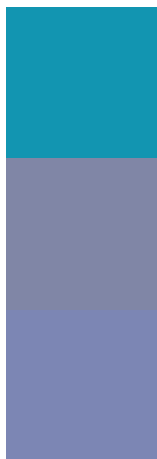


This preview shows how white text looks on a background with the Yxy color 24.7978, 0.2125, 0.2783.

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

24.7978, 0.2125, 0.2783

Protanopia

24.3926, 0.2756, 0.2765

Deuteranopia

24.6306, 0.2603, 0.2557



Tritanopia

24.7776, 0.2184, 0.3061

Trichromacy



Original Color

24.7978, 0.2125, 0.2783

Protanomaly

23.4422, 0.2401, 0.2744

Deuteranomaly

23.6983, 0.2330, 0.2604

Tritanomaly

24.6850, 0.2160, 0.2953

Monochromacy



Original Color

24.7978, 0.2125, 0.2783

Achromatopsia

16.5132, 0.3127, 0.3290

Achromatomaly

18.3615, 0.2541, 0.3084

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.7978, 0.2125, 0.2783 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(18, 149, 177)` looks like.

```
.text, #text, p{  
    color:rgb(18, 149, 177)  
}
```

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(18, 149, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 149, 177) }
```

Border

The CSS property to change the border of an element to Yxy 24.7978, 0.2125, 0.2783 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(18, 149, 177) }
```

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

```
.border{ border-color:rgb(18, 149, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(18, 149, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 149, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 149, 177);  
box-shadow:4px 4px 4px 4px rgb(18, 149,  
177) }
```


Background

The CSS property to change the background color of an element to Yxy 24.7978, 0.2125, 0.2783 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 149, 177) }
```

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

```
.background{ background-color: rgb(18, 149,  
177) }
```

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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