

Converting Colors

$Y_{xy}(12.8287, 0.2216, 0.2948)$

Have a look what the booklet for
Yxy(12.8287, 0.2216, 0.2948)
contains.

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Color

Yxy(12.8267, 0.2216, 0.2948)

Conversions

Conversions Part 1

Format	Color
Hex	1A6E7C
RGB	26, 110, 124
RGB Percent	10%, 43%, 49%
CMY	0.8978, 0.5686, 0.5137
CMYK	0.79, 0.11, 0.00, 0.51
HSL	189°, 65%, 29%
HSV	189°, 79%, 49%
XYZ	9.6418, 12.8267, 21.0414
YIQ	86.4800, -54.5580, -13.4540

Conversions

Conversions Part 2

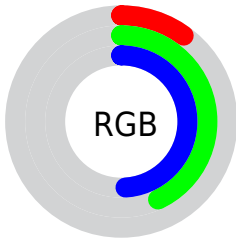
Format	Color
R_{YB}	26, 71, 124
Decimal	1732220
CIE _{Lab}	42.50, -18.97, -14.77
CIE _{LCh}	43, 24.039, 217.897
Yxy	12.8267, 0.2216, 0.2948
Android (android.graphics.Color)	4279922300 (0xFF1A6E7C)
YUV	86.4800, 18.4974, -53.0410
Hunter-Lab	35.8144, -14.6202, -9.7635




Details

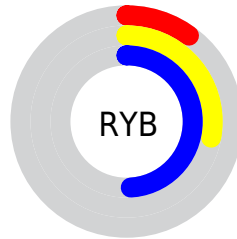
The Yxy color **12.8267, 0.2216, 0.2948** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **5.8841, 0.5522, 0.3508**, and the grayscale version is **9.3860, 0.3127, 0.3290**.




A 20% lighter version of the original color is **31.0897, 0.2433, 0.3040**, and **3.9532, 0.2106, 0.2782** is the 20% darker color. If you saturate the color by 10%, you get **12.3182, 0.2166, 0.2899**, and if you desaturate by 10%, it is **13.4145, 0.2284, 0.2997**.

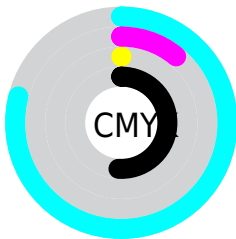
Distribution







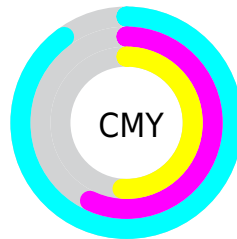
-  Red (10%)
-  Green (43%)
-  Blue (49%)






-  Red (10%)
-  Yellow (28%)
-  Blue (49%)



-  Cyan (79%)
-  Magenta (11%)
-  Yellow (0%)
-  Black (51%)




-  Cyan (90%)
-  Magenta (57%)
-  Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.8267, 0.2216, 0.2948 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 12.8267, 0.2216, 0.2948 by changing the saturation by 10% instead.


 12.8267, 0.2216,
0.2948


 12.8267, 0.2216,
0.2948


 209.8040, 0.2751,
0.3168


 7.3093, 0.2048,
0.2867


 30.9921, 0.2434,
0.3044


 3.6563, 0.1810,
0.2740

 44.4089, 0.2508,
0.3075

 1.4832, 0.1448,
0.2519

 61.2276, 0.2568,
0.3099

 0.2769, 0.0000,
0.1668

 81.8327, 0.2618,
0.3118

 0.0000, 0.0000,
0.0000

 106.6084, 0.2659,
0.3134

 135.9393, 0.2694,

0.3147

170.2097, 0.2725,
0.3158

■ 12.8267, 0.2216,
0.2948

■ 12.8267, 0.2216,
0.2948

■ 12.3182, 0.2166,
0.2899

■ 13.4145, 0.2284,
0.2997

■ 11.8642, 0.2128,
0.2851

■ 14.0884, 0.2370,
0.3045

■ 11.8188, 0.2124,
0.2846

■ 14.8560, 0.2471,
0.3092

■ 15.7235, 0.2587,
0.3138

■ 16.6966, 0.2715,
0.3181

■ 17.7806, 0.2852,
0.3221

■ 18.9804, 0.2995,
0.3259

■ 20.3006, 0.3142,
0.3293

■ 21.7453, 0.3291,
0.3325

Harmonies

Analogous

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



12.8267, 0.2430, 0.3442



12.8267, 0.2216, 0.2948



12.8267, 0.2222, 0.2609

Triad

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



12.8267, 0.2216, 0.2948



12.8267, 0.3372, 0.2752



12.8267, 0.3808, 0.4168

Complementary

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



12.8267, 0.2216, 0.2948



5.8841, 0.5522, 0.3508

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.



12.8267, 0.4108, 0.3889



12.8267, 0.2216, 0.2948



12.8267, 0.3856, 0.3095

Square

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



12.8267, 0.2216, 0.2948



12.8267, 0.2852, 0.2530



12.8267, 0.4133, 0.3498



12.8267, 0.3338, 0.4209

Rectangle

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



12.8267, 0.2216, 0.2948



12.8267, 0.2347, 0.2495



12.8267, 0.4133, 0.3498



12.8267, 0.3933, 0.4095

Sweetspot

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



12.8272, 0.2216, 0.2948



30.1920, 0.2774, 0.3199



14.7869, 0.2948, 0.5445



6.9799, 0.2734, 0.3187



63.8283, 0.3127, 0.3290



8.3535, 0.3127, 0.3290

Same Dimension

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



12.8272, 0.2216, 0.2948



21.0223, 0.2137, 0.2860



5.1188, 0.1888, 0.1669



4.4193, 0.2994, 0.3259



12.0089, 0.2124, 0.2846



56.3328, 0.2117, 0.2820

Inverse Universe

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



6.1534, 0.3486, 0.1866



9.5736, 0.3578, 0.1769



11.3568, 0.4634, 0.4385



4.0681, 0.3157, 0.3109



5.4192, 0.3593, 0.1753



25.7540, 0.3616, 0.1766

Previews

White Background



This preview shows how the Yxy color 12.8267, 0.2216, 0.2948 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 12.8267, 0.2216, 0.2948 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

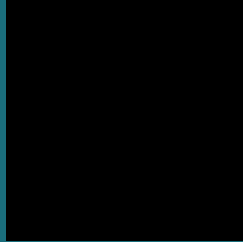
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.8267, 0.2216, 0.2948

Background



This preview shows how black text looks on a background with the Yxy color 12.8267, 0.2216, 0.2948.

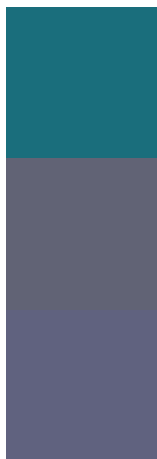


This preview shows how white text looks on a background with the Yxy color 12.8267, 0.2216, 0.2948.

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

12.8267, 0.2216, 0.2948

Protanopia

12.7494, 0.2866, 0.2899

Deuteranopia

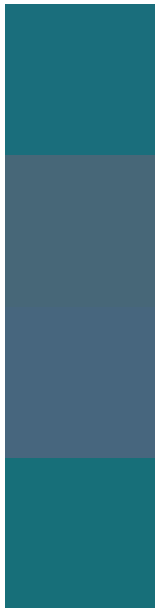
12.7545, 0.2734, 0.2678



Tritanopia

12.8955, 0.2236, 0.3066

Trichromacy



Original Color

12.8267, 0.2216, 0.2948

Protanomaly

12.3962, 0.2531, 0.2895

Deuteranomaly

12.3487, 0.2470, 0.2744

Tritanomaly

12.9315, 0.2232, 0.3042

Monochromacy



Original Color

12.8267, 0.2216, 0.2948

Achromatopsia

9.3059, 0.3127, 0.3290

Achromatomaly

10.1945, 0.2636, 0.3158

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.8267, 0.2216, 0.2948 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(26, 110, 124)` looks like.

```
.text, #text, p{  
    color:rgb(26, 110, 124)  
}
```

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(26, 110, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(26, 110, 124) }
```

Border

The CSS property to change the border of an element to Yxy 12.8267, 0.2216, 0.2948 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(26, 110, 124) }
```

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

```
.border{ border-color:rgb(26, 110, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(26, 110, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(26, 110, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(26, 110, 124);  
box-shadow:4px 4px 4px 4px rgb(26, 110,  
124) }
```


Background

The CSS property to change the background color of an element to Yxy 12.8267, 0.2216, 0.2948 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(26, 110, 124) }
```

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

```
.background{ background-color: rgb(26, 110,  
124) }
```

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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