

Converting Colors

$Y_{xy}(16.9710, 0.2546, 0.3130)$

Have a look what the booklet for
Yxy(16.9710, 0.2546, 0.3130)
contains.

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Color

Yxy(16.9999, 0.2553, 0.3140)

Conversions

Conversions Part 1

Format	Color
Hex	4B7A81
RGB	75, 122, 129
RGB Percent	29%, 48%, 51%
CMY	0.7060, 0.5215, 0.4942
CMYK	0.42, 0.05, 0.00, 0.49
HSL	188°, 26%, 40%
HSV	188°, 42%, 51%
XYZ	13.8219, 16.9999, 23.3180
YIQ	108.7450, -30.2590, -7.7870

Conversions

Conversions Part 2

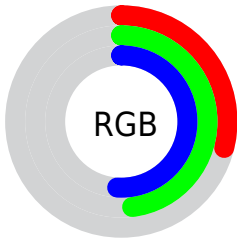
Format	Color
RYB	75, 100, 129
Decimal	4946561
CIELab	48.26, -14.05, -8.86
CIELCh	48, 16.612, 212.252
Yxy	16.9999, 0.2553, 0.3140
Android (android.graphics.Color)	4283136641 (0xFF4B7A81)
YUV	108.7450, 9.9857, -29.5944
Hunter-Lab	41.2309, -12.3154, -4.6696

Details

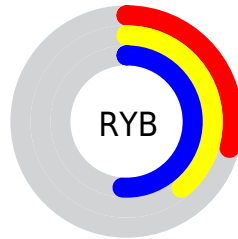
The Yxy color **16.9999, 0.2553, 0.3140** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **11.2035, 0.4084, 0.3431**, and the grayscale version is **15.1936, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.5494, 0.2687, 0.3184**, and **5.5264, 0.2306, 0.3046** is the 20% darker color. If you saturate the color by 10%, you get **16.1261, 0.2442, 0.3098**, and if you desaturate by 10%, it is **17.9875, 0.2677, 0.3180**.

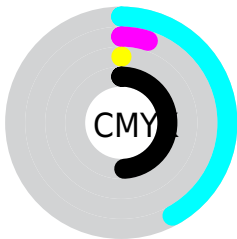
Distribution



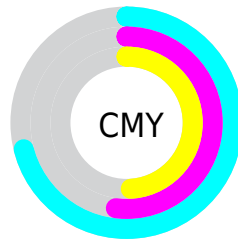
- Red (29%)
- Green (48%)
- Blue (51%)



- Red (29%)
- Yellow (39%)
- Blue (51%)



- Cyan (42%)
- Magenta (5%)
- Yellow (0%)
- Black (49%)





- Cyan (71%)
- Magenta (52%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.9999, 0.2553, 0.3140 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 16.9999, 0.2553, 0.3140 by changing the saturation by 10% instead.


 16.9999, 0.2553,
0.3140


 16.9999, 0.2553,
0.3140


235.1718, 0.2882,
0.3233


 10.2344, 0.2453,
0.3108


 38.3256, 0.2685,
0.3180

 5.5547, 0.2311,
0.3058

 53.6546, 0.2731,
0.3193


 2.5762, 0.2096,
0.2976

 72.6069, 0.2768,
0.3203

 0.9147, 0.1637,
0.2846

 95.5669, 0.2798,
0.3211

 0.0000, 0.0000,
0.0000

 122.9190, 0.2824,
0.3218

155.0476, 0.2847,

0.3224

192.3371, 0.2866,
0.3229

■ 16.9999, 0.2553,
0.3140

■ 16.9999, 0.2553,
0.3140

■ 16.1261, 0.2442,
0.3098

■ 17.9875, 0.2677,
0.3180

■ 15.3577, 0.2347,
0.3056

■ 19.0929, 0.2811,
0.3217

■ 14.6882, 0.2268,
0.3012

■ 20.3221, 0.2953,
0.3252

■ 14.1095, 0.2207,
0.2968

■ 21.6803, 0.3099,
0.3284

■ 13.6121, 0.2164,
0.2924

■ 23.1724, 0.3249,
0.3314

■ 13.2418, 0.2136,
0.2889

■ 24.8029, 0.3398,
0.3340

■ 26.5761, 0.3546,
0.3364

■ 28.4961, 0.3691,
0.3384

■ 30.5671, 0.3831,
0.3403

Harmonies

Analogous

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



16.9999, 0.2725, 0.3451



16.9999, 0.2553, 0.3140



16.9999, 0.2527, 0.2894

Triad

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



16.9999, 0.2553, 0.3140



16.9999, 0.3224, 0.2904



16.9999, 0.3612, 0.3827

Complementary

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



16.9999, 0.2553, 0.3140



11.2035, 0.4084, 0.3431

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.



16.9999, 0.3764, 0.3646



16.9999, 0.2553, 0.3140



16.9999, 0.3535, 0.3124

Square

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



16.9999, 0.2553, 0.3140



16.9999, 0.2900, 0.2776



16.9999, 0.3737, 0.3389



16.9999, 0.3332, 0.3865

Rectangle

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



16.9999, 0.2553, 0.3140



16.9999, 0.2593, 0.2795



16.9999, 0.3737, 0.3389



16.9999, 0.3680, 0.3780

Sweetspot

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



17.0006, 0.2553, 0.3140



36.0685, 0.2932, 0.3247



17.7914, 0.3011, 0.4375



8.0667, 0.2905, 0.3241



65.5931, 0.3127, 0.3290



8.8982, 0.3127, 0.3290

Same Dimension

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



17.0006, 0.2553, 0.3140



28.9860, 0.2450, 0.3101



11.3883, 0.2460, 0.2543



4.7950, 0.2993, 0.3261



12.9172, 0.2136, 0.2889



0.0000, 0.0000, 0.0000

Inverse Universe

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



11.1014, 0.3282, 0.2416



17.1704, 0.3325, 0.2237



15.9599, 0.3872, 0.3933



4.4031, 0.3155, 0.3104



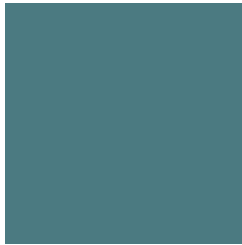
5.6985, 0.3553, 0.1731



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 16.9999, 0.2553, 0.3140 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 16.9999, 0.2553, 0.3140 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

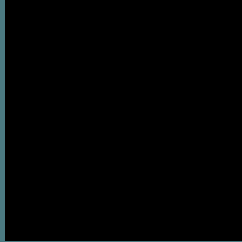
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.9999, 0.2553, 0.3140

Background



This preview shows how black text looks on a background with the Yxy color 16.9999, 0.2553, 0.3140.



This preview shows how white text looks on a background with the Yxy color 16.9999, 0.2553, 0.3140.

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

16.9999, 0.2553, 0.3140

Protanopia

16.7762, 0.2997, 0.3074

Deuteranopia

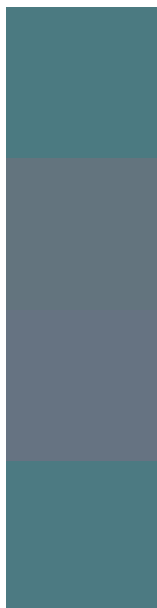
16.7895, 0.2966, 0.2909



Tritanopia

17.0943, 0.2545, 0.3099

Trichromacy



Original Color

16.9999, 0.2553, 0.3140

Protanomaly

16.6498, 0.2809, 0.3086

Deuteranomaly

16.6980, 0.2800, 0.2990

Tritanomaly

17.0673, 0.2553, 0.3119

Monochromacy



Original Color

16.9999, 0.2553, 0.3140

Achromatopsia

15.2926, 0.3127, 0.3290

Achromatomaly

15.8370, 0.2891, 0.3247

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.9999, 0.2553, 0.3140 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(75, 122, 129)` looks like.

```
.text, #text, p{  
  color:rgb(75, 122, 129)  
}
```

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(75, 122, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 122, 129) }
```

Border

The CSS property to change the border of an element to Yxy 16.9999, 0.2553, 0.3140 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(75, 122, 129) }
```

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

```
.border{ border-color:rgb(75, 122, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 122, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 122, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 122, 129);  
box-shadow:4px 4px 4px 4px rgb(75, 122,  
129) }
```


Background

The CSS property to change the background color of an element to Yxy 16.9999, 0.2553, 0.3140 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 122, 129) }
```

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

```
.background{ background-color: rgb(75, 122,  
129) }
```

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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