

Converting Colors

$Y_{xy}(35.1962, 0.2428, 0.3847)$

Have a look what the booklet for
Yxy(35.1962, 0.2428, 0.3847)
contains.

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Color

Yxy(35.0066, 0.2427, 0.3840)

Conversions

Conversions Part 1

Format	Color
Hex	18B495
RGB	24, 180, 149
RGB Percent	9%, 71%, 58%
CMY	0.9055, 0.2941, 0.4156
CMYK	0.87, 0.00, 0.17, 0.29
HSL	168°, 76%, 40%
HSV	168°, 87%, 71%
XYZ	22.1253, 35.0066, 34.0312
YIQ	129.8220, -83.0250, -42.7130

Conversions

Conversions Part 2

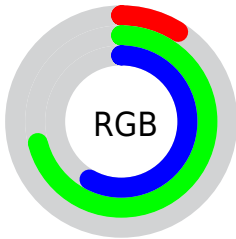
Format	Color
R_{YB}	24, 111, 180
Decimal	1619093
CIE _{Lab}	65.75, -44.81, 5.23
CIE _{LCh}	66, 45.114, 173.347
Yxy	35.0066, 0.2427, 0.3840
Android (android.graphics.Color)	4279809173 (0xFF18B495)
YUV	129.8220, 9.4548, -92.8059
Hunter-Lab	59.1664, -36.7911, 7.3142

Details

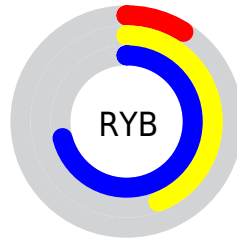
The Yxy color **35.0066, 0.2427, 0.3840** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **10.6371, 0.5651, 0.3030**, and the grayscale version is **22.2561, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.7050, 0.2566, 0.3733**, and **15.8036, 0.2443, 0.3994** is the 20% darker color. If you saturate the color by 10%, you get **34.7394, 0.2425, 0.3911**, and if you desaturate by 10%, it is **35.4229, 0.2446, 0.3768**.

Distribution



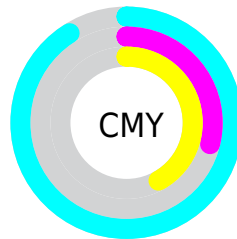
- Red (9%)
- Green (71%)
- Blue (58%)



- Red (9%)
- Yellow (44%)
- Blue (71%)



- Cyan (87%)
- Magenta (0%)
- Yellow (17%)
- Black (29%)



- Cyan (91%)
- Magenta (29%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.0066, 0.2427, 0.3840 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 35.0066, 0.2427, 0.3840 by changing the saturation by 10% instead.

 35.0066, 0.2427,
0.3840


 35.0066, 0.2427,
0.3840


324.5975, 0.2794,
0.3546


 23.6680, 0.2330,
0.3920

 67.4960, 0.2565,
0.3728

 15.0875, 0.2202,
0.4027


 89.4155, 0.2615,
0.3688

 8.8808, 0.2026,
0.4178


 115.6308, 0.2657,
0.3654

 4.6635, 0.1773,
0.4403

 146.5263, 0.2693,
0.3626

 2.0512, 0.1321,
0.4806

 182.4863, 0.2724,
0.3601

 0.6370, 0.0000,
0.6600

223.8952, 0.2750,

 0.0000, 0.0000,

0.3580

0.0000

271.1375, 0.2774,
0.3562

■ 35.0066, 0.2427,
0.3840

■ 35.0066, 0.2427,
0.3840

■ 34.7394, 0.2425,
0.3911

■ 35.4229, 0.2446,
0.3768

■ 34.6627, 0.2427,
0.3936

■ 36.0119, 0.2485,
0.3697

■ 36.7952, 0.2542,
0.3626

■ 37.7902, 0.2617,
0.3558

■ 39.0124, 0.2707,
0.3493

■ 40.4759, 0.2810,
0.3431

■ 42.1935, 0.2924,
0.3374

■ 44.1772, 0.3045,
0.3322

■ 46.4382, 0.3170,
0.3274

Harmonies

Analogous

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



35.0066, 0.3034, 0.4419



35.0066, 0.2427, 0.3840



35.0066, 0.2034, 0.3114

Triad

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



35.0066, 0.2427, 0.3840



35.0066, 0.2472, 0.2242



35.0066, 0.4503, 0.3799

Complementary

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



35.0066, 0.2427, 0.3840



10.6371, 0.5651, 0.3030

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.



35.0066, 0.4347, 0.3277



35.0066, 0.2427, 0.3840



35.0066, 0.3098, 0.2431

Square

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



35.0066, 0.2427, 0.3840



35.0066, 0.2065, 0.2272



35.0066, 0.3807, 0.2797



35.0066, 0.4247, 0.4275

Rectangle

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



35.0066, 0.2427, 0.3840



35.0066, 0.1924, 0.2714



35.0066, 0.3807, 0.2797



35.0066, 0.4500, 0.3625

Sweetspot

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



35.0080, 0.2427, 0.3840



73.4407, 0.2812, 0.3430



33.5285, 0.3117, 0.5781



15.6665, 0.2776, 0.3451



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



35.0080, 0.2427, 0.3840



62.8178, 0.2430, 0.3947



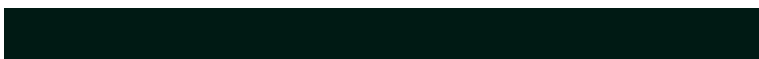
20.3284, 0.2039, 0.2433



9.6020, 0.3011, 0.3336



24.2024, 0.2424, 0.3927



0.7689, 0.2369, 0.3728

Inverse Universe

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



10.6371, 0.5651, 0.3030



17.7963, 0.6109, 0.3139



14.2592, 0.5588, 0.3753



8.5320, 0.3257, 0.3245



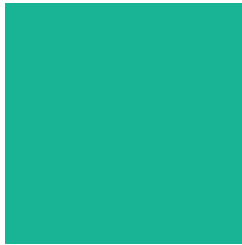
6.8681, 0.6047, 0.3105



0.2242, 0.5309, 0.2698

Previews

White Background



This preview shows how the Yxy color 35.0066, 0.2427, 0.3840 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 35.0066, 0.2427, 0.3840 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

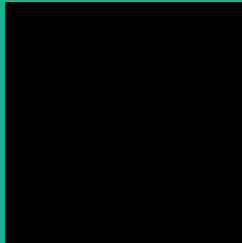
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.0066, 0.2427, 0.3840

Background



This preview shows how black text looks on a background with the Yxy color 35.0066, 0.2427, 0.3840.

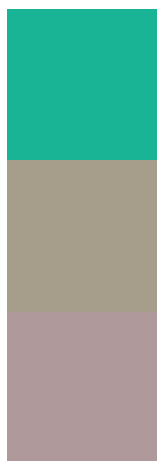


This preview shows how white text looks on a background with the Yxy color 35.0066, 0.2427, 0.3840.

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

35.0066, 0.2427, 0.3840

Protanopia

34.3957, 0.3393, 0.3586

Deuteranopia

34.2630, 0.3331, 0.3262



Tritanopia

35.1748, 0.2276, 0.3062

Trichromacy



Original Color

35.0066, 0.2427, 0.3840



Protanomaly

32.8028, 0.2866, 0.3692



Deuteranomaly

32.4874, 0.2826, 0.3453



Tritanomaly

35.0357, 0.2325, 0.3338

Monochromacy



Original Color

35.0066, 0.2427, 0.3840



Achromatopsia

22.3228, 0.3127, 0.3290



Achromatomaly

25.2101, 0.2692, 0.3495

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.0066, 0.2427, 0.3840 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(24, 180, 149)` looks like.

```
.text, #text, p{  
  color:rgb(24, 180, 149)  
}
```

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(24, 180, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(24, 180, 149) }
```

Border

The CSS property to change the border of an element to Yxy 35.0066, 0.2427, 0.3840 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(24, 180, 149) }
```

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

```
.border{ border-color:rgb(24, 180, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(24, 180, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(24, 180, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(24, 180, 149);  
box-shadow:4px 4px 4px 4px rgb(24, 180,  
149) }
```


Background

The CSS property to change the background color of an element to Yxy 35.0066, 0.2427, 0.3840 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(24, 180, 149) }
```

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

```
.background{ background-color: rgb(24, 180,  
149) }
```

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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