

Converting Colors

$Yxy(35.4029, 0.2364, 0.3622)$

Have a look what the booklet for
Yxy(35.4029, 0.2364, 0.3622)
contains.

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Color

Yxy(35.4099, 0.2363, 0.3618)

Conversions

Conversions Part 1

Format	Color
Hex	18B4A1
RGB	24, 180, 161
RGB Percent	9%, 71%, 63%
CMY	0.9067, 0.2941, 0.3686
CMYK	0.87, 0.00, 0.11, 0.29
HSL	173°, 77%, 40%
HSV	173°, 87%, 71%
XYZ	23.1270, 35.4099, 39.3345
YIQ	131.1900, -86.8770, -38.9810

Conversions

Conversions Part 2

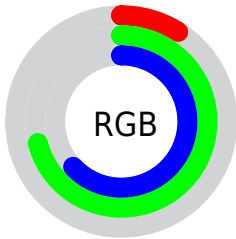
Format	Color
RYB	24, 107, 180
Decimal	1619105
CIELab	66.07, -41.58, -0.95
CIELCh	66, 41.596, 181.304
Yxy	35.4099, 0.2363, 0.3618
Android (android.graphics.Color)	4279809185 (0xFF18B4A1)
YUV	131.1900, 14.6963, -94.0056
Hunter-Lab	59.5062, -34.7620, 2.4627

Details

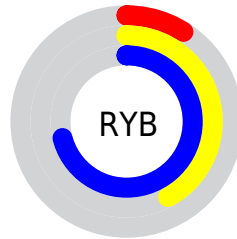
The Yxy color **35.4099, 0.2363, 0.3618** is a dark color, and the websafe version is hex **00CCCC**. A complement of this color would be **10.5219, 0.5868, 0.3153**, and the grayscale version is **22.7161, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.4098, 0.2510, 0.3557**, and **16.0475, 0.2355, 0.3678** is the 20% darker color. If you saturate the color by 10%, you get **35.1804, 0.2355, 0.3660**, and if you desaturate by 10%, it is **35.7854, 0.2388, 0.3576**.

Distribution



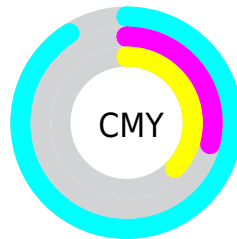
- Red (9%)
- Green (71%)
- Blue (63%)



- Red (9%)
- Yellow (42%)
- Blue (71%)



- Cyan (87%)
- Magenta (0%)
- Yellow (11%)
- Black (29%)





- Cyan (91%)
- Magenta (29%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 35.4099, 0.2363, 0.3618 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 35.4099, 0.2363, 0.3618 by changing the saturation by 10% instead.


 35.4099, 0.2363,
0.3618


 35.4099, 0.2363,
0.3618


326.3739, 0.2758,
0.3450

 23.9788, 0.2261,
0.3661


 68.1203, 0.2509,
0.3556

 15.3179, 0.2128,
0.3717


 90.1684, 0.2563,
0.3533


 9.0428, 0.1949,
0.3791


 116.5242, 0.2609,
0.3514

 4.7691, 0.1695,
0.3896

 147.5722, 0.2647,
0.3497

 2.1124, 0.1297,
0.4056

 183.6968, 0.2681,
0.3483

 0.6716, 0.0000,
0.4572

225.2824, 0.2710,

 0.0000, 0.0000,

0.3470

0.0000

272.7133, 0.2735,
0.3460

■ 35.4099, 0.2363,
0.3618

■ 35.4099, 0.2363,
0.3618

■ 35.1804, 0.2355,
0.3660

■ 35.7854, 0.2388,
0.3576

■ 35.1187, 0.2354,
0.3673

■ 36.3310, 0.2432,
0.3534

■ 37.0684, 0.2494,
0.3492

■ 38.0151, 0.2575,
0.3452

■ 39.1866, 0.2672,
0.3413

■ 40.5968, 0.2783,
0.3376

■ 42.2586, 0.2905,
0.3342

■ 44.1841, 0.3035,
0.3310

■ 46.3843, 0.3171,
0.3281

Harmonies

Analogous

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



35.4099, 0.2886, 0.4210



35.4099, 0.2363, 0.3618



35.4099, 0.2059, 0.2976

Triad

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



35.4099, 0.2363, 0.3618



35.4099, 0.2660, 0.2343



35.4099, 0.4368, 0.3897

Complementary

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



35.4099, 0.2363, 0.3618



10.5219, 0.5868, 0.3153

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.



35.4099, 0.4325, 0.3414



35.4099, 0.2363, 0.3618



35.4099, 0.3277, 0.2568

Square

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



35.4099, 0.2363, 0.3618



35.4099, 0.2220, 0.2317



35.4099, 0.3909, 0.2947



35.4099, 0.4053, 0.4299

Rectangle

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



35.4099, 0.2363, 0.3618



35.4099, 0.2000, 0.2646



35.4099, 0.3909, 0.2947



35.4099, 0.4397, 0.3740

Sweetspot

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



35.4113, 0.2363, 0.3618



73.6970, 0.2787, 0.3375



33.2607, 0.3071, 0.5819



15.7286, 0.2747, 0.3387



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.



35.4113, 0.2363, 0.3618



63.6469, 0.2356, 0.3680



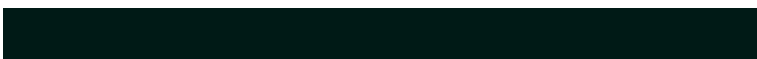
17.5857, 0.1982, 0.2226



9.6134, 0.3002, 0.3318



24.5145, 0.2352, 0.3668



0.7763, 0.2320, 0.3552

Inverse Universe

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



10.5219, 0.5868, 0.3153



17.6806, 0.6272, 0.3229



15.6645, 0.5440, 0.3885



8.5215, 0.3269, 0.3263



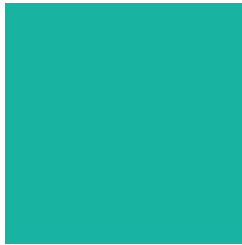
6.8180, 0.6225, 0.3203



0.2199, 0.5669, 0.2897

Previews

White Background



This preview shows how the Yxy color 35.4099, 0.2363, 0.3618 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 35.4099, 0.2363, 0.3618 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

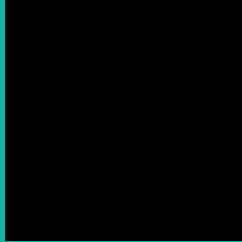
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.4099, 0.2363, 0.3618

Background



This preview shows how black text looks on a background with the Yxy color 35.4099, 0.2363, 0.3618.

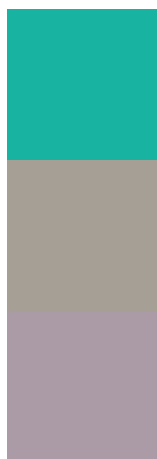


This preview shows how white text looks on a background with the Yxy color 35.4099, 0.2363, 0.3618.

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

35.4099, 0.2363, 0.3618

Protanopia

34.9655, 0.3277, 0.3437

Deuteranopia

34.8906, 0.3174, 0.3121



Tritanopia

35.4722, 0.2260, 0.3062

Trichromacy



Original Color

35.4099, 0.2363, 0.3618



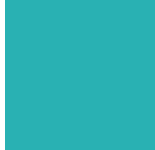
Protanomaly

33.5147, 0.2784, 0.3519



Deuteranomaly

33.0494, 0.2714, 0.3273



Tritanomaly

35.1704, 0.2292, 0.3254

Monochromacy



Original Color

35.4099, 0.2363, 0.3618



Achromatopsia

22.6966, 0.3127, 0.3290



Achromatomaly

25.7232, 0.2663, 0.3418

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.4099, 0.2363, 0.3618 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, 161)` looks like.

```
.text, #text, p{  
    color:rgb(24, 180, 161)  
}
```

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, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(24, 180, 161) }
```

Border

The CSS property to change the border of an element to Yxy 35.4099, 0.2363, 0.3618 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, 161) }
```

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

```
.border{ border-color:rgb(24, 180, 161) }
```

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, 161) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(24, 180, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(24, 180, 161);  
box-shadow:4px 4px 4px 4px rgb(24, 180,  
161) }
```


Background

The CSS property to change the background color of an element to Yxy 35.4099, 0.2363, 0.3618 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, 161) }
```

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

```
.background{ background-color: rgb(24, 180,  
161) }
```

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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