

Converting Colors

$Y_{xy}(34.0220, 0.2510, 0.4036)$

Have a look what the booklet for
Yxy(34.0220, 0.2510, 0.4036)
contains.

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Color

Yxy(34.0220, 0.2510, 0.4036)

Conversions

Conversions Part 1

Format	Color
Hex	24B289
RGB	36, 178, 137
RGB Percent	14%, 70%, 54%
CMY	0.8595, 0.3019, 0.4628
CMYK	0.80, 0.00, 0.23, 0.30
HSL	163°, 66%, 42%
HSV	163°, 80%, 70%
XYZ	21.1584, 34.0220, 29.1160
YIQ	130.8680, -71.4710, -42.8550

Conversions

Conversions Part 2

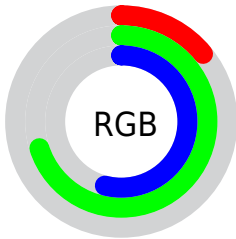
Format	Color
RYB	36, 119, 178
Decimal	2405001
CIELab	64.98, -46.02, 10.77
CIELCh	65, 47.266, 166.829
Yxy	34.0220, 0.2510, 0.4036
Android (android.graphics.Color)	4280595081 (0xFF24B289)
YUV	130.8680, 3.0231, -83.1992
Hunter-Lab	58.3284, -37.3245, 11.2339

Details

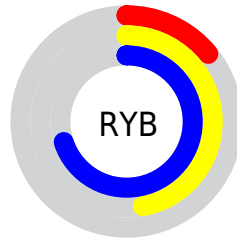
The Yxy color **34.0220, 0.2510, 0.4036** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **11.2516, 0.5123, 0.2836**, and the grayscale version is **22.6387, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.1985, 0.2640, 0.3888**, and **15.1034, 0.2515, 0.4255** is the 20% darker color. If you saturate the color by 10%, you get **33.6363, 0.2505, 0.4144**, and if you desaturate by 10%, it is **34.5764, 0.2535, 0.3928**.

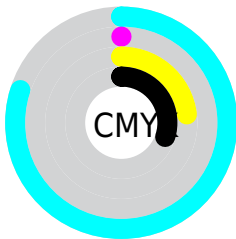
Distribution



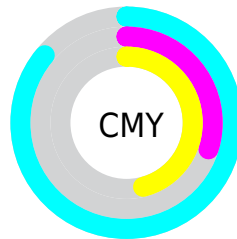
- Red (14%)
- Green (70%)
- Blue (54%)



- Red (14%)
- Yellow (47%)
- Blue (70%)



- Cyan (80%)
- Magenta (0%)
- Yellow (23%)
- Black (30%)





- Cyan (86%)
- Magenta (30%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.0220, 0.2510, 0.4036 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 34.0220, 0.2510, 0.4036 by changing the saturation by 10% instead.


 34.0220, 0.2510,
0.4036


 34.0220, 0.2510,
0.4036


320.2301, 0.2841,
0.3627


 22.9105, 0.2420,
0.4152


 65.9679, 0.2636,
0.3878


 14.5274, 0.2299,
0.4309


 87.5710, 0.2681,
0.3821

 8.4884, 0.2130,
0.4535


 113.4402, 0.2719,
0.3775

 4.4090, 0.1877,
0.4885

 143.9598, 0.2751,
0.3736

 1.9049, 0.1327,
0.5581

 179.5142, 0.2779,
0.3703

 0.5513, 0.0000,
1.0000

220.4878, 0.2802,

 0.0000, 0.0000,

0.3674

0.0000

267.2650, 0.2823,
0.3649

■ 34.0220, 0.2510,
0.4036

■ 34.0220, 0.2510,
0.4036

■ 33.6363, 0.2505,
0.4144

■ 34.5764, 0.2535,
0.3928

■ 33.3719, 0.2515,
0.4251

■ 35.3163, 0.2579,
0.3821

■ 33.3687, 0.2515,
0.4253

■ 36.2610, 0.2641,
0.3717

■ 37.4260, 0.2719,
0.3619

■ 38.8256, 0.2809,
0.3526

■ 40.4727, 0.2910,
0.3440

■ 42.3792, 0.3017,
0.3361

■ 44.5563, 0.3129,
0.3289

■ 47.0145, 0.3242,
0.3225

Harmonies

Analogous

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



34.0220, 0.3177, 0.4567



34.0220, 0.2510, 0.4036



34.0220, 0.2043, 0.3259

Triad

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



34.0220, 0.2510, 0.4036



34.0220, 0.2322, 0.2177



34.0220, 0.4584, 0.3697

Complementary

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



34.0220, 0.2510, 0.4036



11.2516, 0.5123, 0.2836

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.



34.0220, 0.4323, 0.3156



34.0220, 0.2510, 0.4036



34.0220, 0.2936, 0.2328

Square

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



34.0220, 0.2510, 0.4036



34.0220, 0.1955, 0.2260



34.0220, 0.3686, 0.2675



34.0220, 0.4395, 0.4221

Rectangle

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



34.0220, 0.2510, 0.4036



34.0220, 0.1888, 0.2802



34.0220, 0.3686, 0.2675



34.0220, 0.4548, 0.3514

Sweetspot

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



34.0233, 0.2510, 0.4036



71.9703, 0.2863, 0.3478



33.6119, 0.3229, 0.5588



15.7163, 0.2828, 0.3509



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.



34.0233, 0.2510, 0.4036



60.6204, 0.2513, 0.4227



25.2643, 0.2158, 0.2781



9.5889, 0.3023, 0.3357



23.8836, 0.2511, 0.4241



0.7610, 0.2428, 0.3942

Inverse Universe

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



11.2516, 0.5123, 0.2836



17.8540, 0.5723, 0.2952



13.2897, 0.5555, 0.3596



8.5443, 0.3243, 0.3225



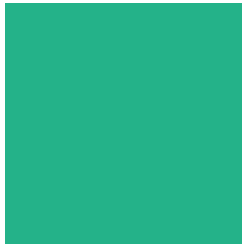
6.9552, 0.5767, 0.2951



0.2292, 0.4961, 0.2507

Previews

White Background



This preview shows how the Yxy color 34.0220, 0.2510, 0.4036 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 34.0220, 0.2510, 0.4036 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 34.0220, 0.2510, 0.4036

Background



This preview shows how black text looks on a background with the Yxy color 34.0220, 0.2510, 0.4036.

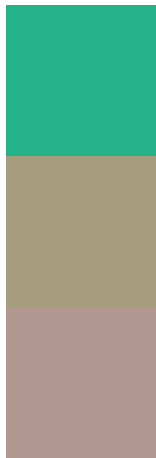


This preview shows how white text looks on a background with the Yxy color 34.0220, 0.2510, 0.4036.

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

34.0220, 0.2510, 0.4036

Protanopia

33.3903, 0.3514, 0.3739

Deuteranopia

33.4635, 0.3476, 0.3405



Tritanopia

34.1316, 0.2315, 0.3076

Trichromacy



Original Color

34.0220, 0.2510, 0.4036



Protanomaly

32.0846, 0.3002, 0.3866



Deuteranomaly

31.8484, 0.2973, 0.3620



Tritanomaly

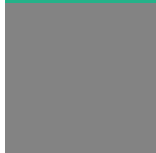
33.8835, 0.2374, 0.3390

Monochromacy



Original Color

34.0220, 0.2510, 0.4036



Achromatopsia

22.6966, 0.3127, 0.3290



Achromatomaly

25.3601, 0.2765, 0.3569

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.0220, 0.2510, 0.4036 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(36, 178, 137)` looks like.

```
.text, #text, p{  
    color:rgb(36, 178, 137)  
}
```

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(36, 178, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 178, 137) }
```

Border

The CSS property to change the border of an element to Yxy 34.0220, 0.2510, 0.4036 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(36, 178, 137) }
```

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

```
.border{ border-color:rgb(36, 178, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(36, 178, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 178, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 178, 137);  
box-shadow:4px 4px 4px 4px rgb(36, 178,  
137) }
```


Background

The CSS property to change the background color of an element to Yxy 34.0220, 0.2510, 0.4036 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 178, 137) }
```

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

```
.background{ background-color: rgb(36, 178,  
137) }
```

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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