

Converting Colors

$Y_{xy}(25.1312, 0.2328, 0.3353)$

Have a look what the booklet for
Yxy(25.1312, 0.2328, 0.3353)
contains.

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Color

$\text{Yxy}(25.0015, 0.2326, 0.3346)$

Conversions

Conversions Part 1

Format	Color
Hex	249895
RGB	36, 152, 149
RGB Percent	14%, 60%, 58%
CMY	0.8588, 0.4039, 0.4157
CMYK	0.76, 0.00, 0.02, 0.40
HSL	178°, 62%, 37%
HSV	178°, 76%, 60%
XYZ	17.3800, 25.0015, 32.3391
YIQ	116.9740, -68.1730, -25.5250

Conversions

Conversions Part 2

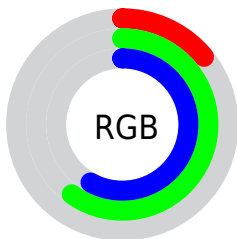
Format	Color
R_{YB}	36, 95, 152
Decimal	2398357
CIE _{Lab}	57.08, -31.19, -7.45
CIE _{LCh}	57, 32.066, 193.426
Yxy	25.0015, 0.2326, 0.3346
Android (android.graphics.Color)	4280588437 (0xFF249895)
YUV	116.9740, 15.7888, -71.0142
Hunter-Lab	50.0015, -25.4579, -3.3455

Details

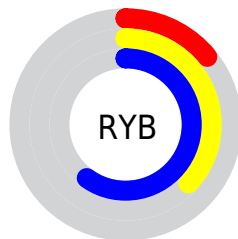
The Yxy color **25.0015, 0.2326, 0.3346** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **8.0847, 0.5629, 0.3263**, and the grayscale version is **17.7478, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.7622, 0.2492, 0.3344**, and **9.9962, 0.2262, 0.3345** is the 20% darker color. If you saturate the color by 10%, you get **24.7720, 0.2292, 0.3354**, and if you desaturate by 10%, it is **25.3491, 0.2378, 0.3338**.

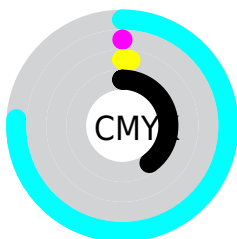
Distribution



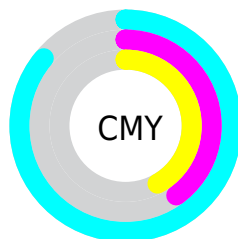
- Red (14%)
- Green (60%)
- Blue (58%)



- Red (14%)
- Yellow (37%)
- Blue (60%)



- Cyan (76%)
- Magenta (0%)
- Yellow (2%)
- Black (40%)





- Cyan (86%)
- Magenta (40%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.0015, 0.2326, 0.3346 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 25.0015, 0.2326, 0.3346 by changing the saturation by 10% instead.


 25.0015, 0.2326,
0.3346


 25.0015, 0.2326,
0.3346


 277.8454, 0.2758,
0.3325


 16.0782, 0.2207,
0.3347


 51.6597, 0.2491,
0.3341


 9.5795, 0.2049,
0.3345


 70.1633, 0.2551,
0.3338

 5.1210, 0.1826,
0.3336


 92.6291, 0.2600,
0.3336

 2.3185, 0.1497,
0.3304

 119.4416, 0.2642,
0.3333

 0.7835, 0.0000,
0.3533

 150.9850, 0.2677,
0.3331

 0.0000, 0.0000,
0.0000

 187.6439, 0.2708,

0.3329

229.8026, 0.2735,
0.3327

■ 25.0015, 0.2326,
0.3346

■ 25.0015, 0.2326,
0.3346

■ 24.7720, 0.2292,
0.3354

■ 25.3491, 0.2378,
0.3338

■ 24.6382, 0.2274,
0.3362

■ 25.8251, 0.2448,
0.3330

■ 24.5974, 0.2268,
0.3365

■ 26.4417, 0.2537,
0.3322

■ 27.2090, 0.2642,
0.3314

■ 28.1363, 0.2761,
0.3307

■ 29.2320, 0.2893,
0.3300

■ 30.5039, 0.3034,
0.3294

■ 31.9594, 0.3182,
0.3288

■ 33.6054, 0.3334,
0.3283

Harmonies

Analogous

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



25.0015, 0.2721, 0.3896



25.0015, 0.2326, 0.3346



25.0015, 0.2144, 0.2840

Triad

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



25.0015, 0.2326, 0.3346



25.0015, 0.2929, 0.2515



25.0015, 0.4132, 0.3990

Complementary

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



25.0015, 0.2326, 0.3346



8.0847, 0.5629, 0.3263

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.



25.0015, 0.4221, 0.3586



25.0015, 0.2326, 0.3346



25.0015, 0.3491, 0.2778

Square

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



25.0015, 0.2326, 0.3346



25.0015, 0.2466, 0.2419



25.0015, 0.3982, 0.3156



25.0015, 0.3767, 0.4258

Rectangle

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



25.0015, 0.2326, 0.3346



25.0015, 0.2152, 0.2604



25.0015, 0.3982, 0.3156



25.0015, 0.4198, 0.3864

Sweetspot

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



25.0024, 0.2326, 0.3346



50.1835, 0.2798, 0.3305



23.0337, 0.3035, 0.5630



11.2674, 0.2755, 0.3307



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



25.0024, 0.2326, 0.3346



43.5362, 0.2277, 0.3360



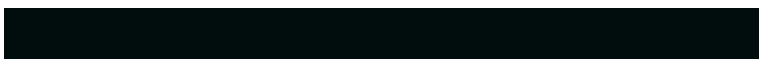
11.3540, 0.2012, 0.2125



7.0238, 0.2992, 0.3295



20.6242, 0.2268, 0.3365



0.3091, 0.2258, 0.3328

Inverse Universe

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



8.0847, 0.5629, 0.3263



12.1967, 0.6231, 0.3281



14.1392, 0.4897, 0.4089



6.2251, 0.3279, 0.3285



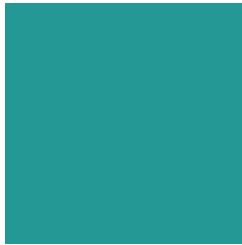
5.6052, 0.6363, 0.3279



0.0844, 0.6178, 0.3177

Previews

White Background



This preview shows how the Yxy color 25.0015, 0.2326, 0.3346 looks on a white 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

Black Background



This preview shows how the Yxy color 25.0015, 0.2326, 0.3346 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

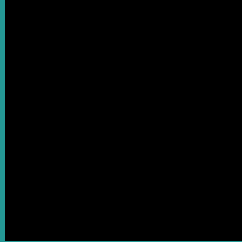
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.0015, 0.2326, 0.3346

Background



This preview shows how black text looks on a background with the Yxy color 25.0015, 0.2326, 0.3346.

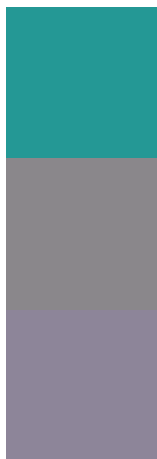


This preview shows how white text looks on a background with the Yxy color 25.0015, 0.2326, 0.3346.

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

25.0015, 0.2326, 0.3346

Protanopia

24.5953, 0.3119, 0.3223

Deuteranopia

24.7377, 0.3011, 0.2964



Tritanopia

25.0022, 0.2274, 0.3064

Trichromacy



Original Color

25.0015, 0.2326, 0.3346



Protanomaly

23.7996, 0.2712, 0.3252



Deuteranomaly

23.9067, 0.2654, 0.3074



Tritanomaly

25.0598, 0.2294, 0.3174

Monochromacy



Original Color

25.0015, 0.2326, 0.3346



Achromatopsia

17.7888, 0.3127, 0.3290



Achromatomaly

19.6249, 0.2693, 0.3309

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.0015, 0.2326, 0.3346 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, 152, 149)` looks like.

```
.text, #text, p{  
    color:rgb(36, 152, 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(36, 152, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 152, 149) }
```

Border

The CSS property to change the border of an element to Yxy 25.0015, 0.2326, 0.3346 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, 152, 149) }
```

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

```
.border{ border-color:rgb(36, 152, 149) }
```

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

Here you see how a box with a 4 pixel rgb(36, 152, 149) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 152, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 152, 149);  
box-shadow:4px 4px 4px 4px rgb(36, 152,  
149) }
```


Background

The CSS property to change the background color of an element to Yxy 25.0015, 0.2326, 0.3346 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 152, 149) }
```

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

```
.background{ background-color: rgb(36, 152,  
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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