

Converting Colors

$Y_{xy}(34.1137, 0.2253, 0.3150)$

Have a look what the booklet for
Yxy(34.1137, 0.2253, 0.3150)
contains.

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Color

Yxy(34.0246, 0.2253, 0.3154)

Conversions

Conversions Part 1

Format	Color
Hex	24AEB6
RGB	36, 174, 182
RGB Percent	14%, 68%, 71%
CMY	0.8593, 0.3176, 0.2862
CMYK	0.80, 0.04, 0.00, 0.29
HSL	183°, 67%, 43%
HSV	183°, 80%, 71%
XYZ	24.3048, 34.0246, 49.5482
YIQ	133.6500, -84.8160, -26.7680

Conversions

Conversions Part 2

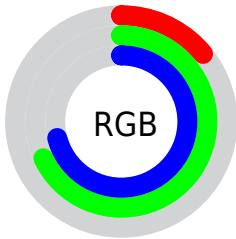
Format	Color
RYB	36, 107, 182
Decimal	2404022
CIELab	64.98, -31.70, -14.21
CIELCh	65, 34.738, 204.145
Yxy	34.0246, 0.2253, 0.3154
Android (android.graphics.Color)	4280594102 (0xFF24AEB6)
YUV	133.6500, 23.8366, -85.6390
Hunter-Lab	58.3306, -27.7023, -9.5317

Details

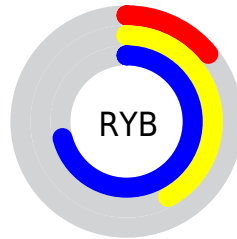
The Yxy color **34.0246, 0.2253, 0.3154** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **11.8667, 0.5819, 0.3367**, and the grayscale version is **23.6287, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.0179, 0.2417, 0.3189**, and **15.2597, 0.2195, 0.3101** is the 20% darker color. If you saturate the color by 10%, you get **33.3945, 0.2219, 0.3136**, and if you desaturate by 10%, it is **34.8263, 0.2305, 0.3172**.

Distribution



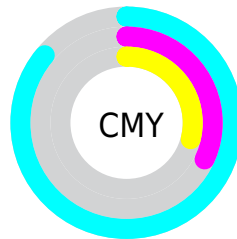
- Red (14%)
- Green (68%)
- Blue (71%)



- Red (14%)
- Yellow (42%)
- Blue (71%)



- Cyan (80%)
- Magenta (4%)
- Yellow (0%)
- Black (29%)





- Cyan (86%)
- Magenta (32%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.0246, 0.2253, 0.3154 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 34.0246, 0.2253, 0.3154 by changing the saturation by 10% instead.


 34.0246, 0.2253,
0.3154


 34.0246, 0.2253,
0.3154


320.2417, 0.2698,
0.3239


 22.9125, 0.2140,
0.3127


 65.9719, 0.2416,
0.3189


 14.5289, 0.1996,
0.3087


 87.5759, 0.2477,
0.3201


 8.4894, 0.1804,
0.3028


 113.4460, 0.2529,
0.3211

 4.4097, 0.1539,
0.2931

 143.9666, 0.2572,
0.3219

 1.9053, 0.1160,
0.2754

 179.5221, 0.2610,
0.3225

 0.5515, 0.0000,
0.2406

220.4968, 0.2643,

 0.0000, 0.0000,

0.3231

0.0000

267.2752, 0.2673,
0.3235

■ 34.0246, 0.2253,
0.3154

■ 34.0246, 0.2253,
0.3154

■ 33.3945, 0.2219,
0.3136

■ 34.8263, 0.2305,
0.3172

■ 32.8986, 0.2200,
0.3119

■ 35.8181, 0.2375,
0.3191

■ 37.0200, 0.2465,
0.3209

■ 38.4488, 0.2571,
0.3227

■ 40.1191, 0.2693,
0.3244

■ 42.0448, 0.2827,
0.3260

■ 44.2383, 0.2971,
0.3276

■ 46.7114, 0.3123,
0.3290

■ 49.4751, 0.3278,
0.3302

Harmonies

Analogous

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



34.0246, 0.2572, 0.3699



34.0246, 0.2253, 0.3154



34.0246, 0.2155, 0.2715

Triad

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



34.0246, 0.2253, 0.3154



34.0246, 0.3126, 0.2606



34.0246, 0.4009, 0.4092

Complementary

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



34.0246, 0.2253, 0.3154



11.8667, 0.5819, 0.3367

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.



34.0246, 0.4203, 0.3731



34.0246, 0.2253, 0.3154



34.0246, 0.3672, 0.2911

Square

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



34.0246, 0.2253, 0.3154



34.0246, 0.2624, 0.2449



34.0246, 0.4081, 0.3308



34.0246, 0.3583, 0.4270

Rectangle

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



34.0246, 0.2253, 0.3154



34.0246, 0.2217, 0.2533



34.0246, 0.4081, 0.3308



34.0246, 0.4105, 0.3985

Sweetspot

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



34.0259, 0.2253, 0.3154



74.7185, 0.2770, 0.3254



34.0097, 0.2991, 0.5684



16.2323, 0.2723, 0.3248



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



34.0259, 0.2253, 0.3154



59.8611, 0.2205, 0.3123



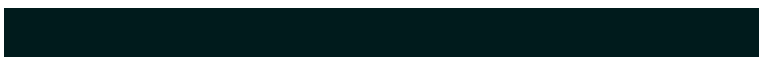
13.1840, 0.1898, 0.1802



10.1240, 0.2985, 0.3277



23.2615, 0.2200, 0.3121



0.8458, 0.2213, 0.3167

Inverse Universe

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



14.2579, 0.3314, 0.1714



23.6550, 0.3347, 0.1628



22.6233, 0.4868, 0.4255



9.1540, 0.3146, 0.3077



9.1306, 0.3349, 0.1619



0.3245, 0.3310, 0.1597

Previews

White Background



This preview shows how the Yxy color 34.0246, 0.2253, 0.3154 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 34.0246, 0.2253, 0.3154 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

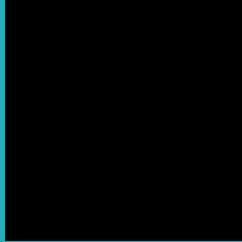
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

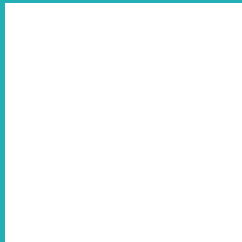
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 34.0246, 0.2253, 0.3154

Background



This preview shows how black text looks on a background with the Yxy color 34.0246, 0.2253, 0.3154.

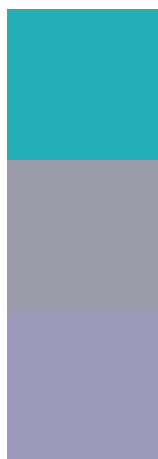


This preview shows how white text looks on a background with the Yxy color 34.0246, 0.2253, 0.3154.

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

34.0246, 0.2253, 0.3154

Protanopia

33.3135, 0.2993, 0.3069

Deuteranopia

33.5384, 0.2868, 0.2807



Tritanopia

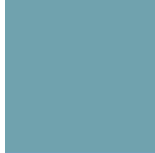
33.9464, 0.2236, 0.3057

Trichromacy



Original Color

34.0246, 0.2253, 0.3154



Protanomaly

32.3414, 0.2609, 0.3097



Deuteranomaly

32.5032, 0.2539, 0.2915



Tritanomaly

33.8213, 0.2241, 0.3089

Monochromacy



Original Color

34.0246, 0.2253, 0.3154



Achromatopsia

23.8398, 0.3127, 0.3290



Achromatomaly

26.3259, 0.2641, 0.3253

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.0246, 0.2253, 0.3154 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, 174, 182)` looks like.

```
.text, #text, p{  
    color:rgb(36, 174, 182)  
}
```

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, 174, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 174, 182) }
```

Border

The CSS property to change the border of an element to Yxy 34.0246, 0.2253, 0.3154 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, 174, 182) }
```

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

```
.border{ border-color:rgb(36, 174, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(36, 174, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 174, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 174, 182);  
box-shadow:4px 4px 4px 4px rgb(36, 174,  
182) }
```


Background

The CSS property to change the background color of an element to Yxy 34.0246, 0.2253, 0.3154 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 174, 182) }
```

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

```
.background{ background-color: rgb(36, 174,  
182) }
```

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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