

Converting Colors

$Y_{xy}(33.7883, 0.2262, 0.3184)$

Have a look what the booklet for
Yxy(33.7883, 0.2262, 0.3184)
contains.

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Color

Yxy(33.9425, 0.2263, 0.3187)

Conversions

Conversions Part 1

Format	Color
Hex	24AEB4
RGB	36, 174, 180
RGB Percent	14%, 68%, 71%
CMY	0.8588, 0.3176, 0.2941
CMYK	0.80, 0.03, 0.00, 0.29
HSL	182°, 67%, 42%
HSV	182°, 80%, 71%
XYZ	24.1016, 33.9425, 48.4589
YIQ	133.4220, -84.1740, -27.3900

Conversions

Conversions Part 2

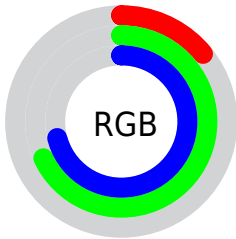
Format	Color
R _Y B	36, 106, 180
Decimal	2404020
CIE Lab	64.92, -32.30, -13.19
CIE LCh	65, 34.892, 202.205
Yxy	33.9425, 0.2263, 0.3187
Android (android.graphics.Color)	4280594100 (0xFF24AEB4)
YUV	133.4220, 22.9630, -85.4391
Hunter-Lab	58.2602, -28.1118, -8.5333

Details

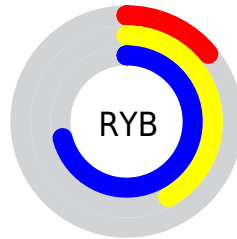
The Yxy color **33.9425, 0.2263, 0.3187** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **11.4871, 0.5823, 0.3350**, and the grayscale version is **23.5573, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.9010, 0.2425, 0.3213**, and **15.2071, 0.2207, 0.3147** is the 20% darker color. If you saturate the color by 10%, you get **33.4084, 0.2230, 0.3173**, and if you desaturate by 10%, it is **34.6435, 0.2314, 0.3201**.

Distribution



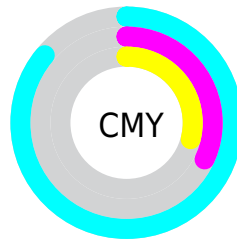
- Red (14%)
- Green (68%)
- Blue (71%)



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



- Cyan (80%)
- Magenta (3%)
- Yellow (0%)
- Black (29%)




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

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.9425, 0.2263, 0.3187 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 33.9425, 0.2263, 0.3187 by changing the saturation by 10% instead.


 33.9425, 0.2263,
0.3187


 33.9425, 0.2263,
0.3187


319.8756, 0.2704,
0.3255

 22.8494, 0.2151,
0.3164


 65.8442, 0.2425,
0.3216


 14.4824, 0.2007,
0.3131


 87.4217, 0.2485,
0.3225

 8.4569, 0.1816,
0.3080

 113.2628, 0.2536,
0.3233

 4.3887, 0.1552,
0.2995

 143.7518, 0.2579,
0.3239

 1.8933, 0.1170,
0.2836

 179.2732, 0.2617,
0.3244

 0.5443, 0.0000,
0.2508

220.2114, 0.2650,

 0.0000, 0.0000,

0.3248

0.0000

266.9507, 0.2679,
0.3252

■ 33.9425, 0.2263,
0.3187

■ 33.9425, 0.2263,
0.3187

■ 33.4084, 0.2230,
0.3173

■ 34.6435, 0.2314,
0.3201

■ 32.9926, 0.2211,
0.3160

■ 35.5291, 0.2383,
0.3215

■ 32.9922, 0.2211,
0.3160

■ 36.6188, 0.2471,
0.3229

■ 37.9287, 0.2577,
0.3242

■ 39.4732, 0.2698,
0.3255

■ 41.2655, 0.2832,
0.3268

■ 43.3179, 0.2976,
0.3279

■ 45.6418, 0.3127,
0.3290

■ 48.2478, 0.3283,
0.3300

Harmonies

Analogous

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



33.9425, 0.2596, 0.3736



33.9425, 0.2263, 0.3187



33.9425, 0.2150, 0.2735

Triad

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



33.9425, 0.2263, 0.3187



33.9425, 0.3090, 0.2588



33.9425, 0.4034, 0.4076

Complementary

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



33.9425, 0.2263, 0.3187



11.4871, 0.5823, 0.3350

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.



33.9425, 0.4210, 0.3706



33.9425, 0.2263, 0.3187



33.9425, 0.3642, 0.2886

Square

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



33.9425, 0.2263, 0.3187



33.9425, 0.2594, 0.2441



33.9425, 0.4067, 0.3281



33.9425, 0.3617, 0.4272

Rectangle

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



33.9425, 0.2263, 0.3187



33.9425, 0.2202, 0.2543



33.9425, 0.4067, 0.3281



33.9425, 0.4125, 0.3965

Sweetspot

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



33.9438, 0.2263, 0.3187



73.3326, 0.2771, 0.3262



33.1754, 0.2998, 0.5702



15.6074, 0.2725, 0.3258



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.



33.9438, 0.2263, 0.3187



60.0074, 0.2216, 0.3163



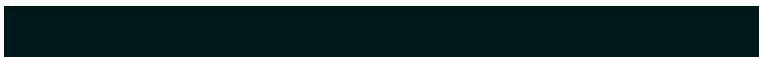
13.4125, 0.1914, 0.1855



9.5697, 0.2986, 0.3280



23.0527, 0.2212, 0.3162



0.7439, 0.2222, 0.3199

Inverse Universe

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



14.0218, 0.3286, 0.1701



23.2464, 0.3313, 0.1609



21.5975, 0.4893, 0.4223



8.6405, 0.3144, 0.3075



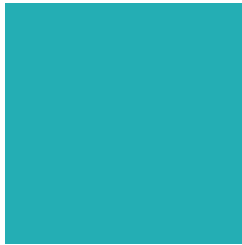
8.8673, 0.3314, 0.1600



0.2809, 0.3283, 0.1582

Previews

White Background



This preview shows how the Yxy color 33.9425, 0.2263, 0.3187 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 33.9425, 0.2263, 0.3187 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

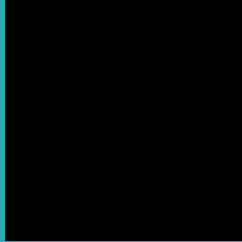
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

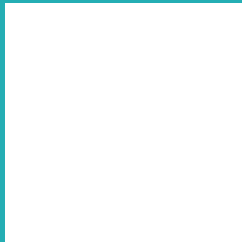
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 33.9425, 0.2263, 0.3187

Background



This preview shows how black text looks on a background with the Yxy color 33.9425, 0.2263, 0.3187.



This preview shows how white text looks on a background with the Yxy color 33.9425, 0.2263, 0.3187.

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

33.9425, 0.2263, 0.3187

Protanopia

33.3378, 0.3020, 0.3098

Deuteranopia

33.5543, 0.2893, 0.2835



Tritanopia

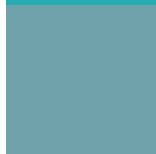
33.9672, 0.2238, 0.3058

Trichromacy



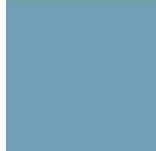
Original Color

33.9425, 0.2263, 0.3187



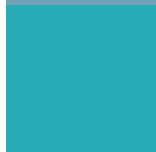
Protanomaly

32.2640, 0.2622, 0.3128



Deuteranomaly

32.4860, 0.2560, 0.2945



Tritanomaly

33.7989, 0.2248, 0.3105

Monochromacy



Original Color

33.9425, 0.2263, 0.3187



Achromatopsia

23.4551, 0.3127, 0.3290



Achromatomaly

25.9785, 0.2646, 0.3253

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.9425, 0.2263, 0.3187 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, 180)` looks like.

```
.text, #text, p{  
    color:rgb(36, 174, 180)  
}
```

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, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 174, 180) }
```

Border

The CSS property to change the border of an element to Yxy 33.9425, 0.2263, 0.3187 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, 180) }
```

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

```
.border{ border-color:rgb(36, 174, 180) }
```

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, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 174, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 174, 180);  
box-shadow:4px 4px 4px 4px rgb(36, 174,  
180) }
```


Background

The CSS property to change the background color of an element to Yxy 33.9425, 0.2263, 0.3187 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, 180) }
```

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

```
.background{ background-color: rgb(36, 174,  
180) }
```

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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