

Converting Colors

$Y_{xy}(34.1150, 0.2135, 0.2782)$

Have a look what the booklet for
Yxy(34.1150, 0.2135, 0.2782)
contains.

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Color

Yxy(34.1407, 0.2135, 0.2783)

Conversions

Conversions Part 1

Format	Color
Hex	1EACCC
RGB	30, 172, 204
RGB Percent	12%, 67%, 80%
CMY	0.8817, 0.3255, 0.1999
CMYK	0.85, 0.16, 0.00, 0.20
HSL	191°, 74%, 46%
HSV	191°, 85%, 80%
XYZ	26.1913, 34.1407, 62.3439
YIQ	133.1900, -94.9040, -20.1520

Conversions

Conversions Part 2

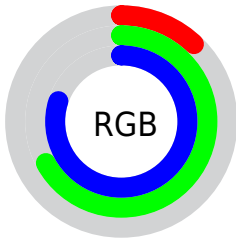
Format	Color
RYB	30, 108, 204
Decimal	2010316
CIELab	65.07, -24.09, -26.29
CIELCh	65, 35.659, 227.506
Yxy	34.1407, 0.2135, 0.2783
Android (android.graphics.Color)	4280200396 (0xFF1EACCC)
YUV	133.1900, 34.9093, -90.4976
Hunter-Lab	58.4300, -22.2398, -22.3604

Details

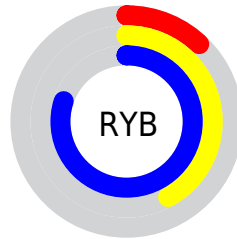
The Yxy color **34.1407, 0.2135, 0.2783** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **16.3987, 0.5809, 0.3545**, and the grayscale version is **23.4425, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.9580, 0.2340, 0.2962**, and **15.3957, 0.2062, 0.2623** is the 20% darker color. If you saturate the color by 10%, you get **32.5164, 0.2095, 0.2717**, and if you desaturate by 10%, it is **36.0064, 0.2194, 0.2850**.

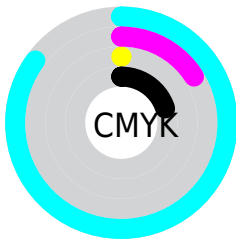
Distribution



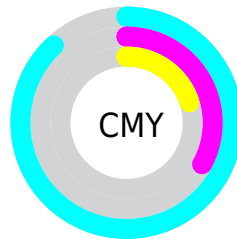
- Red (12%)
- Green (67%)
- Blue (80%)



- Red (12%)
- Yellow (42%)
- Blue (80%)



- Cyan (85%)
- Magenta (16%)
- Yellow (0%)
- Black (20%)



- Cyan (88%)
- Magenta (33%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.1407, 0.2135, 0.2783 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 34.1407, 0.2135, 0.2783 by changing the saturation by 10% instead.

 34.1407, 0.2135,
0.2783


 34.1407, 0.2135,
0.2783


320.7590, 0.2633,
0.3061


 23.0017, 0.2012,
0.2707


 66.1524, 0.2315,
0.2889


 14.5948, 0.1857,
0.2606


 87.7939, 0.2383,
0.2928


 8.5355, 0.1655,
0.2466

 113.7051, 0.2441,
0.2959

 4.4395, 0.1386,
0.2262

 144.2702, 0.2490,
0.2986

 1.9223, 0.1022,
0.1949

 179.8738, 0.2533,
0.3009

 0.5617, 0.0000,
0.1438

220.9002, 0.2571,

 0.0000, 0.0000,

0.3029

0.0000

267.7338, 0.2604,
0.3046

■ 34.1407, 0.2135,
0.2783

■ 34.1407, 0.2135,
0.2783

■ 32.5164, 0.2095,
0.2717

■ 36.0064, 0.2194,
0.2850

■ 31.7930, 0.2079,
0.2686

■ 38.1434, 0.2272,
0.2916

■ 40.5803, 0.2369,
0.2982

■ 43.3408, 0.2483,
0.3046

■ 46.4459, 0.2610,
0.3106

■ 49.9148, 0.2749,
0.3164

■ 53.7650, 0.2896,
0.3217

■ 58.0130, 0.3047,
0.3266

■ 62.6741, 0.3201,
0.3311

Harmonies

Analogous

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



34.1407, 0.2286, 0.3270



34.1407, 0.2135, 0.2783



34.1407, 0.2216, 0.2493

Triad

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



34.1407, 0.2135, 0.2783



34.1407, 0.3567, 0.2822



34.1407, 0.3703, 0.4278

Complementary

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



34.1407, 0.2135, 0.2783



16.3987, 0.5809, 0.3545

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.



34.1407, 0.4099, 0.4039



34.1407, 0.2135, 0.2783



34.1407, 0.4035, 0.3213

Square

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



34.1407, 0.2135, 0.2783



34.1407, 0.3002, 0.2541



34.1407, 0.4231, 0.3645



34.1407, 0.3173, 0.4221

Rectangle

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



34.1407, 0.2135, 0.2783



34.1407, 0.2394, 0.2421



34.1407, 0.4231, 0.3645



34.1407, 0.3857, 0.4225

Sweetspot

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



34.1419, 0.2135, 0.2783



81.9757, 0.2733, 0.3158



43.8187, 0.2926, 0.5573



17.1049, 0.2683, 0.3138



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



34.1419, 0.2135, 0.2783



52.3496, 0.2077, 0.2677



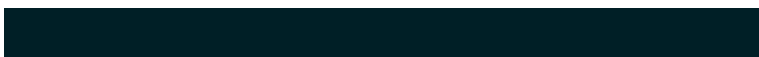
11.1696, 0.1743, 0.1324



12.3620, 0.2983, 0.3246



20.1345, 0.2082, 0.2695



1.1323, 0.2118, 0.2823

Inverse Universe

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



16.7544, 0.3642, 0.1859



25.8159, 0.3750, 0.1839



34.4162, 0.4704, 0.4511



11.3669, 0.3165, 0.3103



9.8356, 0.3733, 0.1830



0.5169, 0.3613, 0.1764

Previews

White Background



This preview shows how the Yxy color 34.1407, 0.2135, 0.2783 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 34.1407, 0.2135, 0.2783 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

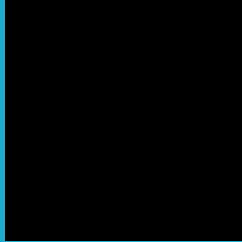
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.1407, 0.2135, 0.2783

Background



This preview shows how black text looks on a background with the Yxy color 34.1407, 0.2135, 0.2783.

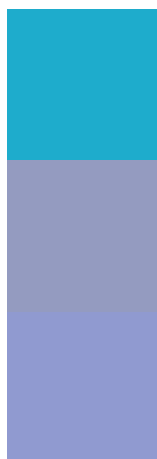


This preview shows how white text looks on a background with the Yxy color 34.1407, 0.2135, 0.2783.

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

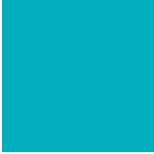
34.1407, 0.2135, 0.2783

Protanopia

33.5444, 0.2751, 0.2759

Deuteranopia

33.5946, 0.2602, 0.2538



Tritanopia

33.9029, 0.2182, 0.3055

Trichromacy



Original Color

34.1407, 0.2135, 0.2783



Protanomaly

32.4785, 0.2418, 0.2752



Deuteranomaly

32.8783, 0.2344, 0.2603



Tritanomaly

33.8533, 0.2159, 0.2945

Monochromacy



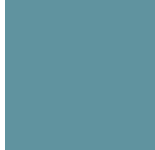
Original Color

34.1407, 0.2135, 0.2783



Achromatopsia

23.4551, 0.3127, 0.3290



Achromatomaly

25.8574, 0.2560, 0.3077

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.1407, 0.2135, 0.2783 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(30, 172, 204)` looks like.

```
.text, #text, p{  
    color:rgb(30, 172, 204)  
}
```

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(30, 172, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(30, 172, 204) }
```

Border

The CSS property to change the border of an element to Yxy 34.1407, 0.2135, 0.2783 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(30, 172, 204) }
```

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

```
.border{ border-color:rgb(30, 172, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(30, 172, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(30, 172, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(30, 172, 204);  
box-shadow:4px 4px 4px 4px rgb(30, 172,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 34.1407, 0.2135, 0.2783 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(30, 172, 204) }
```

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

```
.background{ background-color: rgb(30, 172,  
204) }
```

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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