

Converting Colors

$Y_{xy}(34.6849, 0.2076, 0.2615)$

Have a look what the booklet for
Yxy(34.6849, 0.2076, 0.2615)
contains.

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Color

Yxy(34.6335, 0.2077, 0.2618)

Conversions

Conversions Part 1

Format	Color
Hex	16ACD8
RGB	22, 172, 216
RGB Percent	9%, 67%, 85%
CMY	0.9131, 0.3255, 0.1531
CMYK	0.90, 0.20, 0.00, 0.15
HSL	194°, 81%, 47%
HSV	194°, 90%, 85%
XYZ	27.4766, 34.6335, 70.1798
YIQ	132.1660, -103.5240, -18.1160

Conversions

Conversions Part 2

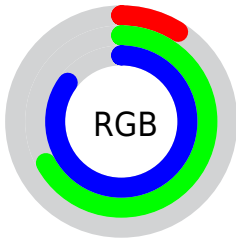
Format	Color
R _Y B	22, 107, 216
Decimal	1486040
CIE Lab	65.46, -20.52, -32.31
CIE LCh	65, 38.277, 237.575
Yxy	34.6335, 0.2077, 0.2618
Android (android.graphics.Color)	4279676120 (0xFF16ACD8)
YUV	132.1660, 41.3302, -96.6156
Hunter-Lab	58.8502, -19.6480, -29.5091

Details

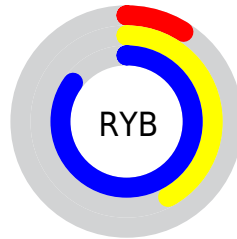
The Yxy color **34.6335, 0.2077, 0.2618** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle washed azure. A complement of this color would be **18.5625, 0.5880, 0.3589**, and the grayscale version is **23.0299, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.9580, 0.2340, 0.2962**, and **16.0062, 0.2015, 0.2452** is the 20% darker color. If you saturate the color by 10%, you get **32.6354, 0.2038, 0.2535**, and if you desaturate by 10%, it is **36.8917, 0.2133, 0.2702**.

Distribution



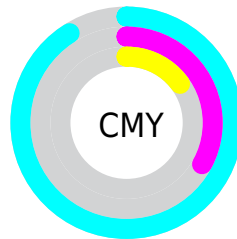
- Red (9%)
- Green (67%)
- Blue (85%)



- Red (9%)
- Yellow (42%)
- Blue (85%)



- Cyan (90%)
- Magenta (20%)
- Yellow (0%)
- Black (15%)





- Cyan (91%)
- Magenta (33%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.6335, 0.2077, 0.2618 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 34.6335, 0.2077, 0.2618 by changing the saturation by 10% instead.


 34.6335, 0.2077,
0.2618


 34.6335, 0.2077,
0.2618


322.9477, 0.2600,
0.2976


 23.3807, 0.1950,
0.2524


 66.9176, 0.2265,
0.2752

 14.8749, 0.1791,
0.2401


 88.7177, 0.2336,
0.2802

 8.7316, 0.1588,
0.2235


 114.8023, 0.2397,
0.2843

 4.5665, 0.1320,
0.2003

 145.5559, 0.2449,
0.2878

 1.9953, 0.0968,
0.1665

 181.3629, 0.2494,
0.2908

 0.6047, 0.0142,
0.1161

222.6075, 0.2534,

 0.0000, 0.0000,

0.2934

0.0000

269.6743, 0.2569,
0.2956

■ 34.6335, 0.2077,
0.2618

■ 34.6335, 0.2077,
0.2618

■ 32.6354, 0.2038,
0.2535

■ 36.8917, 0.2133,
0.2702

■ 32.5856, 0.2037,
0.2533

■ 39.4662, 0.2208,
0.2786

■ 42.3931, 0.2303,
0.2869

■ 45.7015, 0.2415,
0.2950

■ 49.4175, 0.2541,
0.3028

■ 53.5642, 0.2679,
0.3102

■ 58.1630, 0.2826,
0.3171

■ 63.2336, 0.2977,
0.3234

■ 68.7945, 0.3131,
0.3291

Harmonies

Analogous

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



34.6335, 0.2152, 0.3071



34.6335, 0.2077, 0.2618



34.6335, 0.2243, 0.2392

Triad

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



34.6335, 0.2077, 0.2618



34.6335, 0.3786, 0.2921



34.6335, 0.3555, 0.4369

Complementary

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



34.6335, 0.2077, 0.2618



18.5625, 0.5880, 0.3589

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.



34.6335, 0.4043, 0.4196



34.6335, 0.2077, 0.2618



34.6335, 0.4206, 0.3356

Square

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



34.6335, 0.2077, 0.2618



34.6335, 0.3192, 0.2579



34.6335, 0.4295, 0.3811



34.6335, 0.2978, 0.4185

Rectangle

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



34.6335, 0.2077, 0.2618



34.6335, 0.2479, 0.2367



34.6335, 0.4295, 0.3811



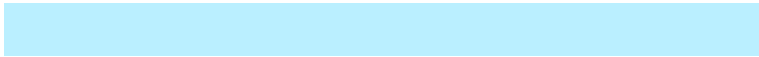
34.6335, 0.3736, 0.4345

Sweetspot

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



34.6347, 0.2077, 0.2618



79.6350, 0.2715, 0.3120



49.6392, 0.2915, 0.5606



16.5719, 0.2666, 0.3095



0.0000, 0.0000, 0.0000



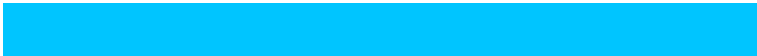
21.4041, 0.3127, 0.3290

Same Dimension

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



34.6347, 0.2077, 0.2618



47.2237, 0.2035, 0.2525



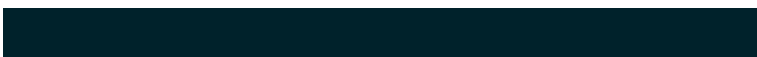
10.4455, 0.1672, 0.1136



13.6078, 0.2982, 0.3236



19.4629, 0.2041, 0.2546



1.2936, 0.2080, 0.2689

Inverse Universe

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



18.1523, 0.3801, 0.1914



25.2984, 0.3897, 0.1920



40.1608, 0.4698, 0.4578



12.5822, 0.3172, 0.3112



10.3096, 0.3877, 0.1909



0.6339, 0.3739, 0.1833

Previews

White Background



This preview shows how the Yxy color 34.6335, 0.2077, 0.2618 looks on a white background.

Color Contrast Check

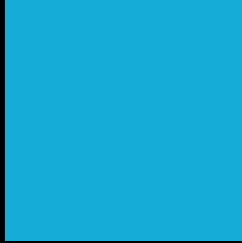
Large Text (above 18pt) WCAG AA × Fail

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 34.6335, 0.2077, 0.2618 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 34.6335, 0.2077, 0.2618

Background



This preview shows how black text looks on a background with the Yxy color 34.6335, 0.2077, 0.2618.



This preview shows how white text looks on a background with the Yxy color 34.6335, 0.2077, 0.2618.

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

34.6335, 0.2077, 0.2618

Protanopia

34.1563, 0.2640, 0.2617

Deuteranopia

34.2626, 0.2476, 0.2415



Tritanopia

34.7248, 0.2187, 0.3074

Trichromacy



Original Color

34.6335, 0.2077, 0.2618



Protanomaly

33.1041, 0.2325, 0.2603



Deuteranomaly

33.3880, 0.2243, 0.2461



Tritanomaly

34.8351, 0.2145, 0.2904

Monochromacy



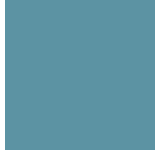
Original Color

34.6335, 0.2077, 0.2618



Achromatopsia

23.0740, 0.3127, 0.3290



Achromatomaly

25.7871, 0.2503, 0.3008

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.6335, 0.2077, 0.2618 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(22, 172, 216)` looks like.

```
.text, #text, p{  
    color:rgb(22, 172, 216)  
}
```

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(22, 172, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(22, 172, 216) }
```

Border

The CSS property to change the border of an element to Yxy 34.6335, 0.2077, 0.2618 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(22, 172, 216) }
```

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

```
.border{ border-color:rgb(22, 172, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(22, 172, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(22, 172, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(22, 172, 216);  
box-shadow:4px 4px 4px 4px rgb(22, 172,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 34.6335, 0.2077, 0.2618 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(22, 172, 216) }
```

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

```
.background{ background-color: rgb(22, 172,  
216) }
```

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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