

Converting Colors

$Y_{xy}(33.3286, 0.1966, 0.2277)$

Have a look what the booklet for
Yxy(33.3286, 0.1966, 0.2277)
contains.

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Color

Yxy(33.3286, 0.1966, 0.2277)

Conversions

Conversions Part 1

Format	Color
Hex	00A6EC
RGB	0, 166, 236
RGB Percent	0%, 65%, 93%
CMY	0.9993, 0.3490, 0.0745
CMYK	1.00, 0.30, 0.00, 0.07
HSL	198°, 100%, 46%
HSV	198°, 100%, 93%
XYZ	28.7765, 33.3286, 84.2656
YIQ	124.3460, -121.4060, -13.4220

Conversions

Conversions Part 2

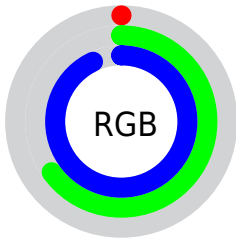
Format	Color
RYB	0, 97, 236
Decimal	42732
CIELab	64.43, -10.92, -44.96
CIELCh	64, 46.265, 256.342
Yxy	33.3286, 0.1966, 0.2277
Android (android.graphics.Color)	4278232812 (0xFF00A6EC)
YUV	124.3460, 55.0454, -109.0514
Hunter-Lab	57.7309, -12.0543, -46.1296

Details

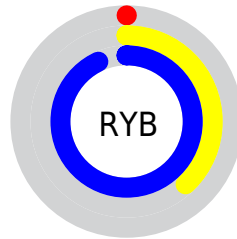
The Yxy color **33.3286, 0.1966, 0.2277** is a dark color, and the websafe version is hex **3399CC**. The color can be described as middle washed azure. A complement of this color would be **22.2334, 0.5994, 0.3622**, and the grayscale version is **20.1395, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.1210, 0.2317, 0.2874**, and **15.3299, 0.1901, 0.2045** is the 20% darker color. If you saturate the color by 10%, you get **33.3090, 0.1966, 0.2276**, and if you desaturate by 10%, it is **36.1364, 0.2013, 0.2388**.

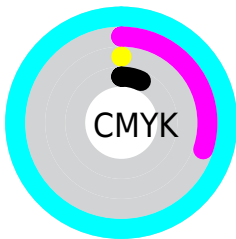
Distribution



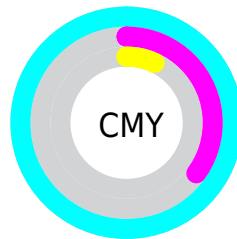
- Red (0%)
- Green (65%)
- Blue (93%)



- Red (0%)
- Yellow (38%)
- Blue (93%)



- Cyan (100%)
- Magenta (30%)
- Yellow (0%)
- Black (7%)




- Cyan (100%)
- Magenta (35%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.3286, 0.1966, 0.2277 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 33.3286, 0.1966, 0.2277 by changing the saturation by 10% instead.


 33.3286, 0.1966,
0.2277


 33.3286, 0.1966,
0.2277


317.1278, 0.2540,
0.2795


 22.3783, 0.1830,
0.2149


 64.8882, 0.2170,
0.2465


 14.1351, 0.1662,
0.1988


 86.2663, 0.2248,
0.2536

 8.2147, 0.1450,
0.1781


 111.8891, 0.2315,
0.2596

 4.2326, 0.1181,
0.1508

 142.1411, 0.2372,
0.2647

 1.8045, 0.0841,
0.1149

 177.4065, 0.2422,
0.2692

 0.4900, 0.0258,
0.0636

218.0699, 0.2466,

 0.0000, 0.0000,

0.2731

0.0000

264.5155, 0.2505,
0.2765

■ 33.3286, 0.1966,
0.2277

■ 33.3286, 0.1966,
0.2277

■ 33.3090, 0.1966,
0.2276

■ 36.1364, 0.2013,
0.2388

■ 39.3155, 0.2077,
0.2501

■ 42.9411, 0.2162,
0.2615

■ 47.0578, 0.2267,
0.2727

■ 51.7035, 0.2388,
0.2837

■ 56.9116, 0.2523,
0.2941

■ 62.7121, 0.2668,
0.3040

■ 69.1327, 0.2819,
0.3131

■ 76.1988, 0.2974,
0.3215

Harmonies

Analogous

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



33.3286, 0.1875, 0.2636



33.3286, 0.1966, 0.2277



33.3286, 0.2325, 0.2190

Triad

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



33.3286, 0.1966, 0.2277



33.3286, 0.4298, 0.3150



33.3286, 0.3190, 0.4551

Complementary

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



33.3286, 0.1966, 0.2277



22.2334, 0.5994, 0.3622

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.



33.3286, 0.3870, 0.4567



33.3286, 0.1966, 0.2277



33.3286, 0.4563, 0.3685

Square

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



33.3286, 0.1966, 0.2277



33.3286, 0.3667, 0.2676



33.3286, 0.4385, 0.4203



33.3286, 0.2529, 0.4036

Rectangle

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



33.3286, 0.1966, 0.2277



33.3286, 0.2703, 0.2263



33.3286, 0.4385, 0.4203



33.3286, 0.3424, 0.4612

Sweetspot

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



33.3297, 0.1966, 0.2277



74.6234, 0.2665, 0.3038



60.3920, 0.2905, 0.5658



15.3282, 0.2603, 0.2997



0.0000, 0.0000, 0.0000



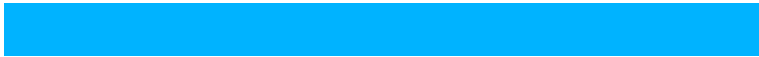
21.4041, 0.3127, 0.3290

Same Dimension

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



33.3297, 0.1966, 0.2277



39.5865, 0.1964, 0.2272



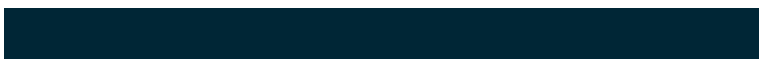
8.4483, 0.1557, 0.0805



16.3230, 0.2981, 0.3218



18.5981, 0.1971, 0.2294



1.6265, 0.2014, 0.2449

Inverse Universe

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



20.5885, 0.4150, 0.2060



24.5274, 0.4156, 0.2063



52.4872, 0.4644, 0.4695



15.2332, 0.3183, 0.3126



11.3703, 0.4132, 0.2050



0.9096, 0.3974, 0.1963

Previews

White Background



This preview shows how the Yxy color 33.3286, 0.1966, 0.2277 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 33.3286, 0.1966, 0.2277 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

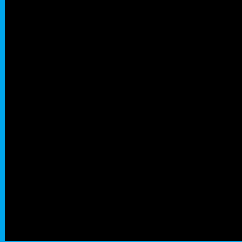
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

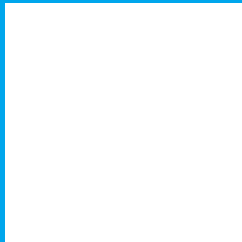
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 33.3286, 0.1966, 0.2277

Background



This preview shows how black text looks on a background with the Yxy color 33.3286, 0.1966, 0.2277.



This preview shows how white text looks on a background with the Yxy color 33.3286, 0.1966, 0.2277.

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

33.3286, 0.1966, 0.2277

Protanopia

33.1242, 0.2405, 0.2309

Deuteranopia

33.1854, 0.2221, 0.2161



Tritanopia

33.3899, 0.2191, 0.3086

Trichromacy



Original Color

33.3286, 0.1966, 0.2277



Protanomaly

31.9957, 0.2133, 0.2273



Deuteranomaly

32.3470, 0.2056, 0.2180



Tritanomaly

33.1091, 0.2096, 0.2746

Monochromacy



Original Color

33.3286, 0.1966, 0.2277



Achromatopsia

20.1556, 0.3127, 0.3290



Achromatomaly

22.8441, 0.2374, 0.2817

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.3286, 0.1966, 0.2277 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(0, 166, 236)` looks like.

```
.text, #text, p{  
  color:rgb(0, 166, 236)  
}
```

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(0, 166, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 166, 236) }
```

Border

The CSS property to change the border of an element to Yxy 33.3286, 0.1966, 0.2277 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(0, 166, 236) }
```

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

```
.border{ border-color:rgb(0, 166, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 166, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 166, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 166, 236);  
box-shadow:4px 4px 4px 4px rgb(0, 166,  
236) }
```


Background

The CSS property to change the background color of an element to Yxy 33.3286, 0.1966, 0.2277 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 166, 236) }
```

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

```
.background{ background-color: rgb(0, 166,  
236) }
```

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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