

Converting Colors

$Y_{xy}(32.6983, 0.1987, 0.2279)$

Have a look what the booklet for
Yxy(32.6983, 0.1987, 0.2279)
contains.

Yxy(32.6671, 0.1988, 0.2284)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(32.6671, 0.1988, 0.2284)

Conversions

Conversions Part 1

Format	Color
Hex	1BA4E9
RGB	27, 164, 233
RGB Percent	11%, 64%, 91%
CMY	0.8952, 0.3568, 0.0861
CMYK	0.89, 0.30, 0.00, 0.09
HSL	200°, 82%, 51%
HSV	200°, 89%, 91%
XYZ	28.4335, 32.6671, 81.9252
YIQ	130.9030, -103.8010, -7.5850

Conversions

Conversions Part 2

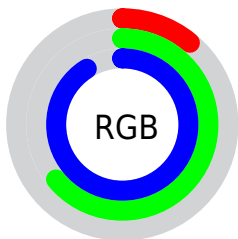
Format	Color
R _Y B	27, 109, 233
Decimal	1811689
CIE Lab	63.89, -9.95, -44.16
CIE LCh	64, 45.273, 257.298
Yxy	32.6671, 0.1988, 0.2284
Android (android.graphics.Color)	4280001769 (0xFF1BA4E9)
YUV	130.9030, 50.3338, -91.1229
Hunter-Lab	57.1551, -11.2213, -44.9767

Details

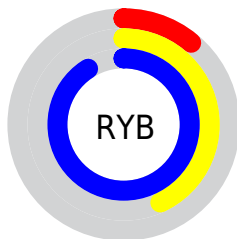
The Yxy color **32.6671, 0.1988, 0.2284** is a dark color, and the websafe version is hex **3399CC**. The color can be described as middle washed azure. A complement of this color would be **25.7275, 0.5610, 0.3801**, and the grayscale version is **22.4770, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.3937, 0.2330, 0.2850**, and **14.9846, 0.1907, 0.2064** is the 20% darker color. If you saturate the color by 10%, you get **29.7551, 0.1935, 0.2158**, and if you desaturate by 10%, it is **35.9947, 0.2061, 0.2413**.

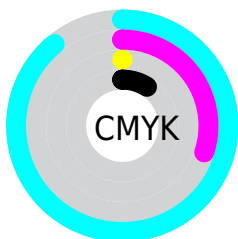
Distribution



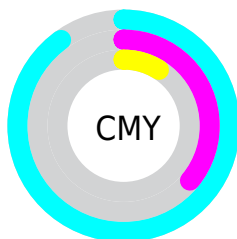
- Red (11%)
- Green (64%)
- Blue (91%)



- Red (11%)
- Yellow (43%)
- Blue (91%)



- Cyan (89%)
- Magenta (30%)
- Yellow (0%)
- Black (9%)




- Cyan (90%)
- Magenta (36%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.6671, 0.1988, 0.2284 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 32.6671, 0.1988, 0.2284 by changing the saturation by 10% instead.


 32.6671, 0.1988,
0.2284


 32.6671, 0.1988,
0.2284


314.1470, 0.2554,
0.2800


 21.8715, 0.1853,
0.2156


 63.8554, 0.2190,
0.2472


 13.7625, 0.1685,
0.1995


 85.0170, 0.2267,
0.2542

 7.9557, 0.1473,
0.1786


 110.4027, 0.2333,
0.2602

 4.0666, 0.1201,
0.1511

 140.3969, 0.2390,
0.2653

 1.7109, 0.0856,
0.1147

 175.3841, 0.2439,
0.2697

 0.4307, 0.0232,
0.0601

215.7486, 0.2482,

 0.0000, 0.0000,

0.2736

0.0000

261.8747, 0.2520,
0.2770

■ 32.6671, 0.1988,
0.2284

■ 32.6671, 0.1988,
0.2284

■ 29.7551, 0.1935,
0.2158

■ 35.9947, 0.2061,
0.2413

■ 29.3509, 0.1928,
0.2139

■ 39.7963, 0.2154,
0.2542

■ 44.1163, 0.2267,
0.2670

■ 48.9913, 0.2396,
0.2794

■ 54.4542, 0.2536,
0.2912

■ 60.5346, 0.2686,
0.3022

■ 67.2596, 0.2840,
0.3124

■ 74.6547, 0.2995,
0.3218

■ 82.7436, 0.3150,
0.3302

Harmonies

Analogous

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



32.6671, 0.1889, 0.2630



32.6671, 0.1988, 0.2284



32.6671, 0.2351, 0.2205

Triad

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



32.6671, 0.1988, 0.2284



32.6671, 0.4295, 0.3170



32.6671, 0.3168, 0.4521

Complementary

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



32.6671, 0.1988, 0.2284



25.7275, 0.5610, 0.3801

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.



32.6671, 0.3842, 0.4556



32.6671, 0.1988, 0.2284



32.6671, 0.4543, 0.3699

Square

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



32.6671, 0.1988, 0.2284



32.6671, 0.3682, 0.2697



32.6671, 0.4356, 0.4207



32.6671, 0.2520, 0.4001

Rectangle

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



32.6671, 0.1988, 0.2284



32.6671, 0.2730, 0.2282



32.6671, 0.4356, 0.4207



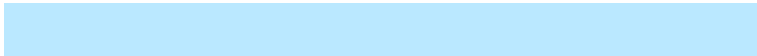
32.6671, 0.3399, 0.4588

Sweetspot

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



32.6682, 0.1988, 0.2284



75.3711, 0.2707, 0.3037



59.3636, 0.2834, 0.5311



15.5579, 0.2655, 0.3000



0.0000, 0.0000, 0.0000



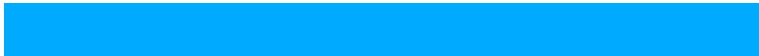
21.4041, 0.3127, 0.3290

Same Dimension

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



32.6682, 0.1988, 0.2284



35.8507, 0.1926, 0.2133



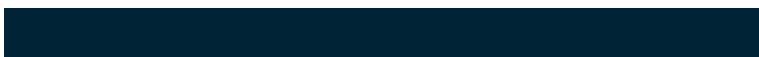
9.4631, 0.1613, 0.0907



16.2235, 0.2981, 0.3209



16.8857, 0.1933, 0.2159



1.5018, 0.1982, 0.2334

Inverse Universe

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



20.7816, 0.4133, 0.2110



24.1503, 0.4304, 0.2145



58.0943, 0.4452, 0.4776



15.2231, 0.3189, 0.3134



11.1974, 0.4277, 0.2130



0.8970, 0.4091, 0.2027

Previews

White Background



This preview shows how the Yxy color 32.6671, 0.1988, 0.2284 looks on a white background.

Color Contrast Check

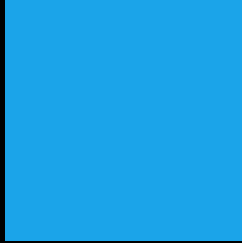
Large Text (above 18pt) WCAG AA × Fail

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 32.6671, 0.1988, 0.2284 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

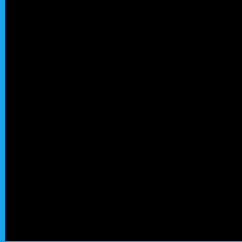
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

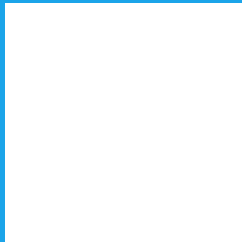
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 32.6671, 0.1988, 0.2284

Background



This preview shows how black text looks on a background with the Yxy color 32.6671, 0.1988, 0.2284.

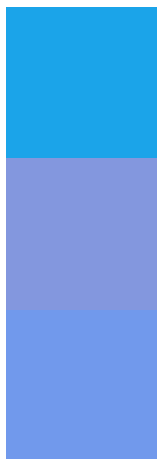


This preview shows how white text looks on a background with the Yxy color 32.6671, 0.1988, 0.2284.

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

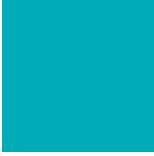
32.6671, 0.1988, 0.2284

Protanopia

32.2324, 0.2411, 0.2312

Deuteranopia

32.3493, 0.2230, 0.2163



Tritanopia

32.5865, 0.2186, 0.3068

Trichromacy



Original Color

32.6671, 0.1988, 0.2284



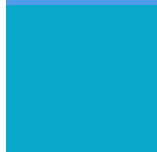
Protanomaly

31.5951, 0.2180, 0.2286



Deuteranomaly

31.9059, 0.2097, 0.2192



Tritanomaly

32.3341, 0.2102, 0.2742

Monochromacy



Original Color

32.6671, 0.1988, 0.2284



Achromatopsia

22.6966, 0.3127, 0.3290



Achromatomaly

24.7992, 0.2463, 0.2853

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.6671, 0.1988, 0.2284 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(27, 164, 233)` looks like.

```
.text, #text, p{  
    color:rgb(27, 164, 233)  
}
```

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(27, 164, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(27, 164, 233) }
```

Border

The CSS property to change the border of an element to Yxy 32.6671, 0.1988, 0.2284 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(27, 164, 233) }
```

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

```
.border{ border-color:rgb(27, 164, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(27, 164, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(27, 164, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(27, 164, 233);  
box-shadow:4px 4px 4px 4px rgb(27, 164,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 32.6671, 0.1988, 0.2284 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(27, 164, 233) }
```

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

```
.background{ background-color: rgb(27, 164,  
233) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor