

Converting Colors

$Y_{xy}(32.3402, 0.2040, 0.2462)$

Have a look what the booklet for
Yxy(32.3402, 0.2040, 0.2462)
contains.

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Color

Yxy(32.3106, 0.2037, 0.2454)

Conversions

Conversions Part 1

Format	Color
Hex	1BA5DC
RGB	27, 165, 220
RGB Percent	11%, 65%, 86%
CMY	0.8951, 0.3529, 0.1372
CMYK	0.88, 0.25, 0.00, 0.14
HSL	197°, 78%, 48%
HSV	197°, 88%, 86%
XYZ	26.8202, 32.3106, 72.5343
YIQ	130.0080, -99.9030, -12.1510

Conversions

Conversions Part 2

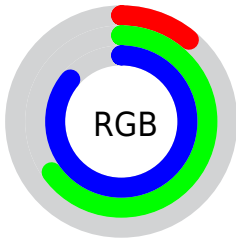
Format	Color
R _Y B	27, 107, 220
Decimal	1811932
CIE Lab	63.60, -15.15, -37.43
CIE LCh	64, 40.381, 247.972
Yxy	32.3106, 0.2037, 0.2454
Android (android.graphics.Color)	4280002012 (0xFF1BA5DC)
YUV	130.0080, 44.3661, -90.3380
Hunter-Lab	56.8424, -15.2519, -35.8678

Details

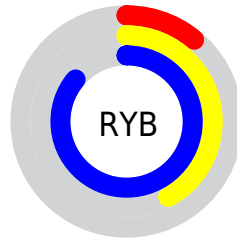
The Yxy color **32.3106, 0.2037, 0.2454** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle washed azure. A complement of this color would be **21.2894, 0.5698, 0.3709**, and the grayscale version is **22.1677, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.7214, 0.2322, 0.2862**, and **14.5269, 0.1955, 0.2236** is the 20% darker color. If you saturate the color by 10%, you get **29.9091, 0.1989, 0.2348**, and if you desaturate by 10%, it is **35.0430, 0.2105, 0.2562**.

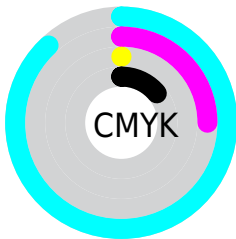
Distribution



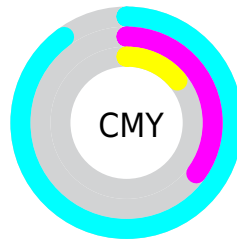
- Red (11%)
- Green (65%)
- Blue (86%)



- Red (11%)
- Yellow (42%)
- Blue (86%)



- Cyan (88%)
- Magenta (25%)
- Yellow (0%)
- Black (14%)





- Cyan (90%)
- Magenta (35%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.3106, 0.2037, 0.2454 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 32.3106, 0.2037, 0.2454 by changing the saturation by 10% instead.


 32.3106, 0.2037,
0.2454


 32.3106, 0.2037,
0.2454


 312.5317, 0.2583,
0.2894


 21.5989, 0.1904,
0.2341


 63.2977, 0.2234,
0.2617

 13.5624, 0.1738,
0.2194


 84.3418, 0.2308,
0.2678


 7.8170, 0.1525,
0.2001


 109.5989, 0.2371,
0.2728

 3.9781, 0.1249,
0.1736

 139.4532, 0.2426,
0.2772

 1.6613, 0.0888,
0.1366

 174.2893, 0.2473,
0.2809

 0.3984, 0.0017,
0.0748

 214.4915, 0.2514,

 0.0000, 0.0000,

0.2841

0.0000

260.4442, 0.2551,
0.2869

■ 32.3106, 0.2037,
0.2454

■ 32.3106, 0.2037,
0.2454

■ 29.9091, 0.1989,
0.2348

■ 35.0430, 0.2105,
0.2562

■ 29.4172, 0.1979,
0.2325

■ 38.1527, 0.2192,
0.2670

■ 41.6765, 0.2299,
0.2776

■ 45.6452, 0.2421,
0.2879

■ 50.0860, 0.2557,
0.2978

■ 55.0235, 0.2702,
0.3070

■ 60.4804, 0.2853,
0.3156

■ 66.4777, 0.3006,
0.3234

■ 73.0351, 0.3160,
0.3305

Harmonies

Analogous

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



32.3106, 0.2026, 0.2854



32.3106, 0.2037, 0.2454



32.3106, 0.2298, 0.2303

Triad

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



32.3106, 0.2037, 0.2454



32.3106, 0.4029, 0.3045



32.3106, 0.3369, 0.4441

Complementary

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



32.3106, 0.2037, 0.2454



21.2894, 0.5698, 0.3709

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.



32.3106, 0.3947, 0.4363



32.3106, 0.2037, 0.2454



32.3106, 0.4370, 0.3523

Square

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



32.3106, 0.2037, 0.2454



32.3106, 0.3424, 0.2640



32.3106, 0.4327, 0.3999



32.3106, 0.2756, 0.4100

Rectangle

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



32.3106, 0.2037, 0.2454



32.3106, 0.2601, 0.2329



32.3106, 0.4327, 0.3999



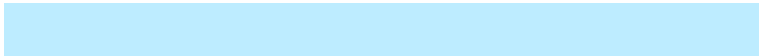
32.3106, 0.3574, 0.4458

Sweetspot

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



32.3117, 0.2037, 0.2454



78.0687, 0.2726, 0.3084



52.0190, 0.2868, 0.5417



16.1681, 0.2674, 0.3053



0.0000, 0.0000, 0.0000



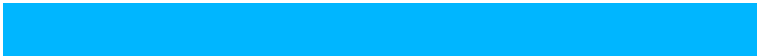
21.4041, 0.3127, 0.3290

Same Dimension

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



32.3117, 0.2037, 0.2454



40.8562, 0.1977, 0.2316



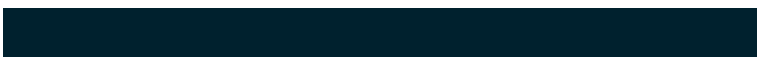
9.6068, 0.1649, 0.1024



14.1707, 0.2982, 0.3222



17.4627, 0.1984, 0.2341



1.2753, 0.2032, 0.2514

Inverse Universe

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



18.7055, 0.3959, 0.2018



24.6556, 0.4109, 0.2037



47.1870, 0.4540, 0.4692



13.2084, 0.3181, 0.3124



10.3866, 0.4083, 0.2023



0.6874, 0.3908, 0.1927

Previews

White Background



This preview shows how the Yxy color 32.3106, 0.2037, 0.2454 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 32.3106, 0.2037, 0.2454 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 32.3106, 0.2037, 0.2454

Background



This preview shows how black text looks on a background with the Yxy color 32.3106, 0.2037, 0.2454.

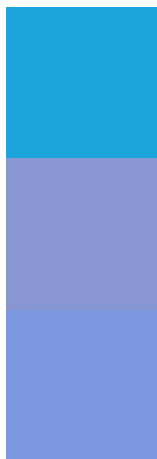


This preview shows how white text looks on a background with the Yxy color 32.3106, 0.2037, 0.2454.

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

32.3106, 0.2037, 0.2454

Protanopia

31.9709, 0.2528, 0.2469

Deuteranopia

32.0693, 0.2361, 0.2304

Trichromacy



Original Color

32.3106, 0.2037, 0.2454

Protanomaly

31.0678, 0.2258, 0.2442

Deuteranomaly

31.5117, 0.2183, 0.2343

Monochromacy



Original Color

32.3106, 0.2037, 0.2454

Achromatopsia

22.3228, 0.3127, 0.3290

Achromatomaly

24.5646, 0.2491, 0.2935

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.3106, 0.2037, 0.2454 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, 165, 220)` looks like.

```
.text, #text, p{  
    color:rgb(27, 165, 220)  
}
```

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, 165, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(27, 165, 220) }
```

Border

The CSS property to change the border of an element to Yxy 32.3106, 0.2037, 0.2454 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, 165, 220) }
```

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

```
.border{ border-color:rgb(27, 165, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(27, 165, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(27, 165, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(27, 165, 220);  
box-shadow:4px 4px 4px 4px rgb(27, 165,  
220) }
```

Background

The CSS property to change the background color of an element to Yxy 32.3106, 0.2037, 0.2454 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(27, 165, 220) }
```

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

```
.background{ background-color: rgb(27, 165,  
220) }
```

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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