

Converting Colors

$Yxy(32.7024, 0.2121, 0.2673)$

Have a look what the booklet for
Yxy(32.7024, 0.2121, 0.2673)
contains.

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Color

Yxy(32.5738, 0.2117, 0.2660)

Conversions

Conversions Part 1

Format	Color
Hex	27A7CF
RGB	39, 167, 207
RGB Percent	15%, 65%, 81%
CMY	0.8463, 0.3451, 0.1882
CMYK	0.81, 0.19, 0.00, 0.19
HSL	194°, 68%, 48%
HSV	194°, 81%, 81%
XYZ	25.9243, 32.5738, 63.9598
YIQ	133.2880, -89.1280, -14.6960

Conversions

Conversions Part 2

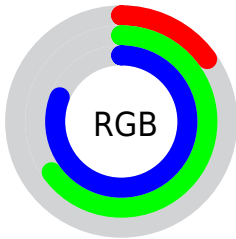
Format	Color
R _Y B	39, 112, 207
Decimal	2598863
CIE Lab	63.81, -19.77, -29.89
CIE LCh	64, 35.834, 236.520
Yxy	32.5738, 0.2117, 0.2660
Android (android.graphics.Color)	4280788943 (0xFF27A7CF)
YUV	133.2880, 36.3400, -82.6906
Hunter-Lab	57.0735, -18.7989, -26.4923

Details

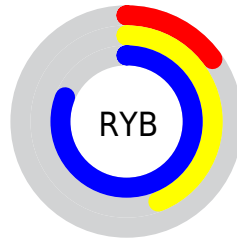
The Yxy color **32.5738, 0.2117, 0.2660** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle muted azure. A complement of this color would be **19.0396, 0.5556, 0.3658**, and the grayscale version is **23.4769, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.9733, 0.2338, 0.2888**, and **14.5614, 0.2022, 0.2478** is the 20% darker color. If you saturate the color by 10%, you get **30.4986, 0.2062, 0.2572**, and if you desaturate by 10%, it is **34.9409, 0.2192, 0.2749**.

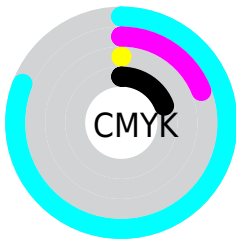
Distribution



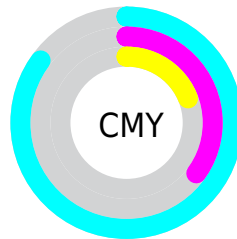
- Red (15%)
- Green (65%)
- Blue (81%)



- Red (15%)
- Yellow (44%)
- Blue (81%)



- Cyan (81%)
- Magenta (19%)
- Yellow (0%)
- Black (19%)



- Cyan (85%)
- Magenta (35%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 32.5738, 0.2117, 0.2660 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 32.5738, 0.2117, 0.2660 by changing the saturation by 10% instead.

■ 32.5738, 0.2117,
0.2660

■ 32.5738, 0.2117,
0.2660

■ 313.7249, 0.2627,
0.3000

■ 21.8002, 0.1991,
0.2569

■ 63.7096, 0.2302,
0.2789

■ 13.7101, 0.1832,
0.2448

■ 84.8404, 0.2371,
0.2836

■ 7.9193, 0.1625,
0.2284

■ 110.1925, 0.2430,
0.2875

■ 4.0434, 0.1350,
0.2050

■ 140.1502, 0.2481,
0.2908

■ 1.6979, 0.0979,
0.1700

■ 175.0979, 0.2525,
0.2936

■ 0.4223, 0.0000,
0.1056

215.4200, 0.2563,

■ 0.0000, 0.0000,

0.2960

0.0000

261.5008, 0.2597,
0.2982

■ 32.5738, 0.2117,
0.2660

■ 32.5738, 0.2117,
0.2660

■ 30.4986, 0.2062,
0.2572

■ 34.9409, 0.2192,
0.2749

■ 28.8369, 0.2026,
0.2494

■ 37.6286, 0.2286,
0.2837

■ 40.6650, 0.2397,
0.2922

■ 44.0740, 0.2523,
0.3005

■ 47.8767, 0.2661,
0.3083

■ 52.0929, 0.2807,
0.3156

■ 56.7404, 0.2958,
0.3223

■ 61.8362, 0.3111,
0.3284

■ 67.3961, 0.3264,
0.3339

Harmonies

Analogous

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



32.5738, 0.2199, 0.3102



32.5738, 0.2117, 0.2660



32.5738, 0.2269, 0.2433

Triad

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



32.5738, 0.2117, 0.2660



32.5738, 0.3739, 0.2924



32.5738, 0.3559, 0.4319

Complementary

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



32.5738, 0.2117, 0.2660



19.0396, 0.5556, 0.3658

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.



32.5738, 0.4019, 0.4149



32.5738, 0.2117, 0.2660



32.5738, 0.4149, 0.3341

Square

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



32.5738, 0.2117, 0.2660



32.5738, 0.3171, 0.2598



32.5738, 0.4247, 0.3779



32.5738, 0.3006, 0.4154

Rectangle

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



32.5738, 0.2117, 0.2660



32.5738, 0.2493, 0.2403



32.5738, 0.4247, 0.3779



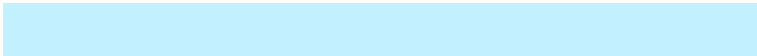
32.5738, 0.3730, 0.4295

Sweetspot

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



32.5749, 0.2117, 0.2660



81.2212, 0.2759, 0.3133



45.6222, 0.2889, 0.5370



16.8634, 0.2706, 0.3107



0.0000, 0.0000, 0.0000



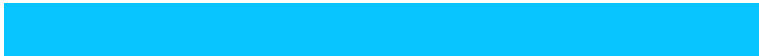
21.4041, 0.3127, 0.3290

Same Dimension

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



32.5749, 0.2117, 0.2660



46.7528, 0.2034, 0.2510



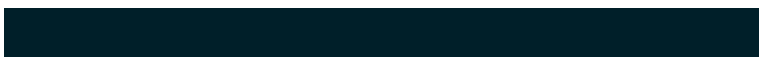
11.2742, 0.1757, 0.1296



12.9093, 0.2983, 0.3233



18.3188, 0.2030, 0.2506



1.1423, 0.2074, 0.2666

Inverse Universe

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



17.5213, 0.3752, 0.1966



25.4120, 0.3911, 0.1938



39.3486, 0.4549, 0.4581



11.9588, 0.3174, 0.3115



9.9206, 0.3916, 0.1931



0.5666, 0.3760, 0.1845

Previews

White Background



This preview shows how the Yxy color 32.5738, 0.2117, 0.2660 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 32.5738, 0.2117, 0.2660 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 32.5738, 0.2117, 0.2660

Background



This preview shows how black text looks on a background with the Yxy color 32.5738, 0.2117, 0.2660.

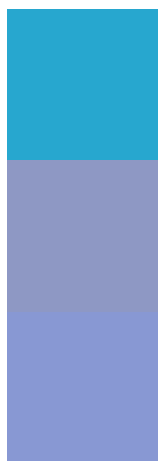


This preview shows how white text looks on a background with the Yxy color 32.5738, 0.2117, 0.2660.

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

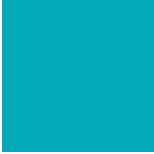
32.5738, 0.2117, 0.2660

Protanopia

32.1928, 0.2667, 0.2655

Deuteranopia

32.3939, 0.2517, 0.2460



Tritanopia

32.5865, 0.2186, 0.3068

Trichromacy



Original Color

32.5738, 0.2117, 0.2660

Protanomaly

31.2873, 0.2383, 0.2634

Deuteranomaly

31.5338, 0.2304, 0.2500

Tritanomaly

32.6486, 0.2156, 0.2925

Monochromacy



Original Color

32.5738, 0.2117, 0.2660

Achromatopsia

23.4551, 0.3127, 0.3290

Achromatomaly

25.4415, 0.2571, 0.3026

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.5738, 0.2117, 0.2660 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(39, 167, 207)` looks like.

```
.text, #text, p{  
    color:rgb(39, 167, 207)  
}
```

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(39, 167, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(39, 167, 207) }
```

Border

The CSS property to change the border of an element to Yxy 32.5738, 0.2117, 0.2660 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(39, 167, 207) }
```

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

```
.border{ border-color:rgb(39, 167, 207) }
```

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

Here you see how a box with a 4 pixel rgb(39, 167, 207) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(39, 167, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(39, 167, 207);  
box-shadow:4px 4px 4px 4px rgb(39, 167,  
207) }
```


Background

The CSS property to change the background color of an element to Yxy 32.5738, 0.2117, 0.2660 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(39, 167, 207) }
```

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

```
.background{ background-color: rgb(39, 167,  
207) }
```

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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