

Converting Colors

$Yxy(32.1353, 0.2172, 0.2733)$

Have a look what the booklet for
Yxy(32.1353, 0.2172, 0.2733)
contains.

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Color

Yxy(32.2195, 0.2170, 0.2732)

Conversions

Conversions Part 1

Format	Color
Hex	34A6C9
RGB	52, 166, 201
RGB Percent	20%, 65%, 79%
CMY	0.7963, 0.3490, 0.2118
CMYK	0.74, 0.17, 0.00, 0.21
HSL	194°, 59%, 50%
HSV	194°, 74%, 79%
XYZ	25.5916, 32.2195, 60.1226
YIQ	135.9040, -79.1790, -13.2830

Conversions

Conversions Part 2

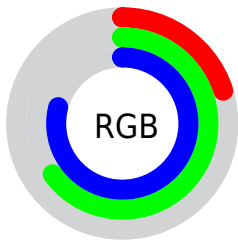
Format	Color
RYB	52, 117, 201
Decimal	3450569
CIELab	63.52, -19.91, -26.97
CIELCh	64, 33.522, 233.566
Yxy	32.2195, 0.2170, 0.2732
Android (android.graphics.Color)	4281640649 (0xFF34A6C9)
YUV	135.9040, 32.0923, -73.5838
Hunter-Lab	56.7622, -18.8560, -23.0665

Details

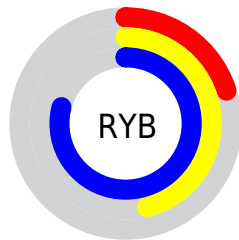
The Yxy color **32.2195, 0.2170, 0.2732** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle muted azure. A complement of this color would be **19.4688, 0.5294, 0.3667**, and the grayscale version is **24.4777, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.8548, 0.2359, 0.2878**, and **14.1412, 0.2046, 0.2564** is the 20% darker color. If you saturate the color by 10%, you get **30.1127, 0.2102, 0.2645**, and if you desaturate by 10%, it is **34.6184, 0.2258, 0.2819**.

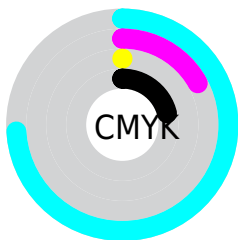
Distribution



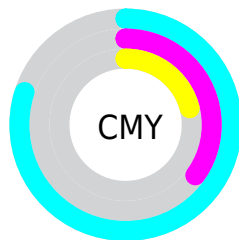
- Red (20%)
- Green (65%)
- Blue (79%)



- Red (20%)
- Yellow (46%)
- Blue (79%)



- Cyan (74%)
- Magenta (17%)
- Yellow (0%)
- Black (21%)



- Cyan (80%)
- Magenta (35%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 32.2195, 0.2170, 0.2732 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 32.2195, 0.2170, 0.2732 by changing the saturation by 10% instead.

■ 32.2195, 0.2170,
0.2732

■ 32.2195, 0.2170,
0.2732

■ 312.1179, 0.2656,
0.3036

■ 21.5292, 0.2049,
0.2649

■ 63.1550, 0.2347,
0.2848

■ 13.5114, 0.1894,
0.2539

■ 84.1691, 0.2414,
0.2890

■ 7.7816, 0.1691,
0.2387

■ 109.3932, 0.2470,
0.2925

■ 3.9555, 0.1418,
0.2167

■ 139.2117, 0.2518,
0.2954

■ 1.6487, 0.1043,
0.1829

■ 174.0090, 0.2559,
0.2979

■ 0.3901, 0.0000,
0.1139

214.1696, 0.2596,

■ 0.0000, 0.0000,

0.3001

0.0000

260.0777, 0.2628,
0.3019

■ 32.2195, 0.2170,
0.2732

■ 32.2195, 0.2170,
0.2732

■ 30.1127, 0.2102,
0.2645

■ 34.6184, 0.2258,
0.2819

■ 28.2627, 0.2053,
0.2559

■ 37.3322, 0.2363,
0.2904

■ 27.2670, 0.2030,
0.2509

■ 40.3849, 0.2485,
0.2985

■ 43.7970, 0.2618,
0.3063

■ 47.5869, 0.2762,
0.3137

■ 51.7720, 0.2911,
0.3204

■ 56.3681, 0.3064,
0.3266

■ 61.3903, 0.3216,
0.3322

■ 66.8527, 0.3368,
0.3372

Harmonies

Analogous

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



32.2195, 0.2271, 0.3167



32.2195, 0.2170, 0.2732



32.2195, 0.2293, 0.2494

Triad

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



32.2195, 0.2170, 0.2732



32.2195, 0.3653, 0.2910



32.2195, 0.3586, 0.4252

Complementary

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



32.2195, 0.2170, 0.2732



19.4688, 0.5294, 0.3667

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.



32.2195, 0.4001, 0.4074



32.2195, 0.2170, 0.2732



32.2195, 0.4059, 0.3301

Square

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



32.2195, 0.2170, 0.2732



32.2195, 0.3116, 0.2612



32.2195, 0.4185, 0.3717



32.2195, 0.3067, 0.4126

Rectangle

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



32.2195, 0.2170, 0.2732



32.2195, 0.2493, 0.2450



32.2195, 0.4185, 0.3717



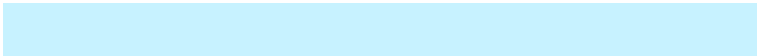
32.2195, 0.3742, 0.4221

Sweetspot

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



32.2207, 0.2170, 0.2732



82.7530, 0.2789, 0.3149



43.1816, 0.2885, 0.5189



17.3091, 0.2748, 0.3130



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.



32.2207, 0.2170, 0.2732



49.5825, 0.2070, 0.2592



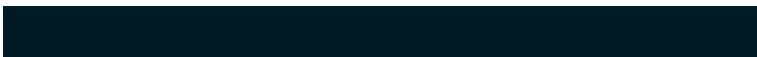
12.5462, 0.1850, 0.1473



11.6292, 0.2984, 0.3235



17.2920, 0.2034, 0.2521



0.9242, 0.2083, 0.2700

Inverse Universe

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



17.6210, 0.3675, 0.2012



26.3444, 0.3826, 0.1928



38.2396, 0.4443, 0.4532



10.7724, 0.3173, 0.3115



9.2856, 0.3901, 0.1923



0.4503, 0.3728, 0.1828

Previews

White Background



This preview shows how the Yxy color 32.2195, 0.2170, 0.2732 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 32.2195, 0.2170, 0.2732 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

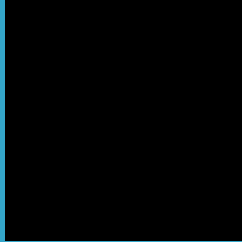
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.2195, 0.2170, 0.2732

Background



This preview shows how black text looks on a background with the Yxy color 32.2195, 0.2170, 0.2732.

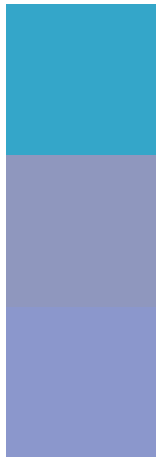


This preview shows how white text looks on a background with the Yxy color 32.2195, 0.2170, 0.2732.

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

32.2195, 0.2170, 0.2732

Protanopia

31.6906, 0.2719, 0.2719

Deuteranopia

31.9818, 0.2585, 0.2535



Tritanopia

32.1881, 0.2228, 0.3052

Trichromacy



Original Color

32.2195, 0.2170, 0.2732



Protanomaly

30.9870, 0.2449, 0.2704



Deuteranomaly

31.2145, 0.2375, 0.2581



Tritanomaly

32.2152, 0.2202, 0.2925

Monochromacy



Original Color

32.2195, 0.2170, 0.2732



Achromatopsia

24.6201, 0.3127, 0.3290



Achromatomaly

26.4088, 0.2623, 0.3064

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.2195, 0.2170, 0.2732 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(52, 166, 201)` looks like.

```
.text, #text, p{  
    color:rgb(52, 166, 201)  
}
```

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(52, 166, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 166, 201) }
```

Border

The CSS property to change the border of an element to Yxy 32.2195, 0.2170, 0.2732 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(52, 166, 201) }
```

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

```
.border{ border-color:rgb(52, 166, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(52, 166, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 166, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 166, 201);  
box-shadow:4px 4px 4px 4px rgb(52, 166,  
201) }
```


Background

The CSS property to change the background color of an element to Yxy 32.2195, 0.2170, 0.2732 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 166, 201) }
```

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

```
.background{ background-color: rgb(52, 166,  
201) }
```

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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