

Converting Colors

$Yxy(33.4821, 0.2284, 0.2888)$

Have a look what the booklet for
Yxy(33.4821, 0.2284, 0.2888)
contains.

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Color

Yxy(33.6487, 0.2285, 0.2891)

Conversions

Conversions Part 1

Format	Color
Hex	48A9C2
RGB	72, 169, 194
RGB Percent	28%, 66%, 76%
CMY	0.7180, 0.3372, 0.2391
CMYK	0.63, 0.13, 0.00, 0.24
HSL	192°, 50%, 52%
HSV	192°, 63%, 76%
XYZ	26.5954, 33.6487, 56.1471
YIQ	142.8470, -65.8370, -12.7890

Conversions

Conversions Part 2

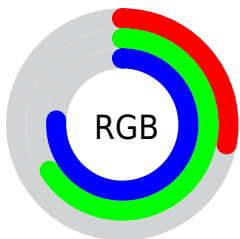
Format	Color
RYB	72, 126, 194
Decimal	4762050
CIELab	64.68, -20.74, -21.27
CIELCh	65, 29.707, 225.731
Yxy	33.6487, 0.2285, 0.2891
Android (android.graphics.Color)	4282952130 (0xFF48A9C2)
YUV	142.8470, 25.2184, -62.1328
Hunter-Lab	58.0075, -19.6741, -16.7832

Details

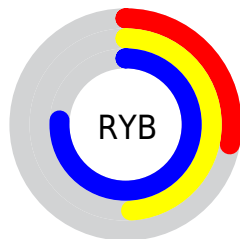
The Yxy color **33.6487, 0.2285, 0.2891** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle muted azure. A complement of this color would be **20.4770, 0.4877, 0.3607**, and the grayscale version is **27.3140, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.1819, 0.2438, 0.2966**, and **14.6160, 0.2103, 0.2770** is the 20% darker color. If you saturate the color by 10%, you get **31.5624, 0.2199, 0.2817**, and if you desaturate by 10%, it is **36.0176, 0.2389, 0.2964**.

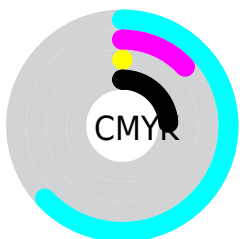
Distribution



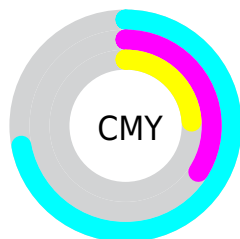
- Red (28%)
- Green (66%)
- Blue (76%)



- Red (28%)
- Yellow (49%)
- Blue (76%)



- Cyan (63%)
- Magenta (13%)
- Yellow (0%)
- Black (24%)



- Cyan (72%)
- Magenta (34%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.6487, 0.2285, 0.2891 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 33.6487, 0.2285, 0.2891 by changing the saturation by 10% instead.

■ 33.6487, 0.2285,
0.2891

■ 33.6487, 0.2285,
0.2891

■ 318.5628, 0.2714,
0.3111

■ 22.6239, 0.2177,
0.2830

■ 65.3870, 0.2442,
0.2975

■ 14.3160, 0.2039,
0.2748

■ 86.8692, 0.2500,
0.3006

■ 8.3408, 0.1855,
0.2633

■ 112.6061, 0.2550,
0.3031

■ 4.3138, 0.1604,
0.2462

■ 142.9819, 0.2592,
0.3052

■ 1.8506, 0.1247,
0.2188

■ 178.3810, 0.2629,
0.3070

■ 0.5184, 0.0000,
0.1711

219.1880, 0.2661,

■ 0.0000, 0.0000,

0.3085

0.0000

265.7871, 0.2689,
0.3099

■ 33.6487, 0.2285,
0.2891

■ 33.6487, 0.2285,
0.2891

■ 31.5624, 0.2199,
0.2817

■ 36.0176, 0.2389,
0.2964

■ 29.7315, 0.2133,
0.2742

■ 38.6859, 0.2508,
0.3034

■ 28.1293, 0.2085,
0.2668

■ 41.6730, 0.2640,
0.3101

■ 27.0981, 0.2060,
0.2616

■ 44.9957, 0.2782,
0.3164

■ 48.6692, 0.2930,
0.3222

■ 52.7080, 0.3082,
0.3275

■ 57.1256, 0.3235,
0.3324

■ 61.9346, 0.3387,
0.3367

■ 67.1472, 0.3535,
0.3405

Harmonies

Analogous

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



33.6487, 0.2430, 0.3307



33.6487, 0.2285, 0.2891



33.6487, 0.2343, 0.2627

Triad

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



33.6487, 0.2285, 0.2891



33.6487, 0.3471, 0.2876



33.6487, 0.3643, 0.4112

Complementary

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



33.6487, 0.2285, 0.2891



20.4770, 0.4877, 0.3607

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.



33.6487, 0.3960, 0.3914



33.6487, 0.2285, 0.2891



33.6487, 0.3867, 0.3210

Square

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



33.6487, 0.2285, 0.2891



33.6487, 0.2999, 0.2640



33.6487, 0.4049, 0.3581



33.6487, 0.3201, 0.4069

Rectangle

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



33.6487, 0.2285, 0.2891



33.6487, 0.2490, 0.2554



33.6487, 0.4049, 0.3581



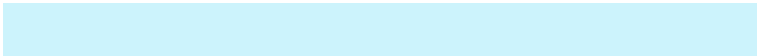
33.6487, 0.3769, 0.4068

Sweetspot

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



33.6499, 0.2285, 0.2891



83.8384, 0.2835, 0.3186



40.8207, 0.2914, 0.4938



17.9464, 0.2792, 0.3168



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.



33.6499, 0.2285, 0.2891



55.6955, 0.2169, 0.2785



16.1122, 0.2045, 0.1848



11.0666, 0.2984, 0.3242



17.9304, 0.2063, 0.2626



0.8654, 0.2108, 0.2790

Inverse Universe

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



18.9617, 0.3517, 0.2102



28.8845, 0.3632, 0.1943



36.1870, 0.4285, 0.4362



10.2110, 0.3168, 0.3109



9.0923, 0.3799, 0.1867



0.4020, 0.3644, 0.1781

Previews

White Background



This preview shows how the Yxy color 33.6487, 0.2285, 0.2891 looks on a white background.

Color Contrast Check

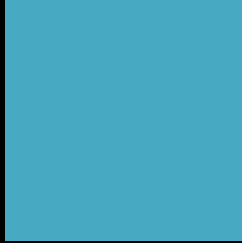
Large Text (above 18pt) WCAG AA × Fail

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 33.6487, 0.2285, 0.2891 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

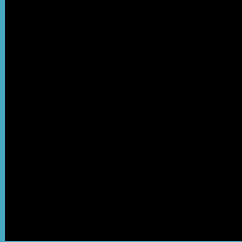
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.6487, 0.2285, 0.2891

Background



This preview shows how black text looks on a background with the Yxy color 33.6487, 0.2285, 0.2891.



This preview shows how white text looks on a background with the Yxy color 33.6487, 0.2285, 0.2891.

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

33.6487, 0.2285, 0.2891

Protanopia

33.3874, 0.2831, 0.2868

Deuteranopia

33.2492, 0.2712, 0.2654



Tritanopia

33.7798, 0.2324, 0.3076

Trichromacy



Original Color

33.6487, 0.2285, 0.2891

Protanomaly

32.9100, 0.2581, 0.2863

Deuteranomaly

32.8924, 0.2513, 0.2722

Tritanomaly

33.6455, 0.2308, 0.2997

Monochromacy



Original Color

33.6487, 0.2285, 0.2891

Achromatopsia

27.4677, 0.3127, 0.3290

Achromatomaly

28.8470, 0.2716, 0.3123

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.6487, 0.2285, 0.2891 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(72, 169, 194)` looks like.

```
.text, #text, p{  
    color:rgb(72, 169, 194)  
}
```

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(72, 169, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 169, 194) }
```

Border

The CSS property to change the border of an element to Yxy 33.6487, 0.2285, 0.2891 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(72, 169, 194) }
```

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

```
.border{ border-color:rgb(72, 169, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 169, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 169, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 169, 194);  
box-shadow:4px 4px 4px 4px rgb(72, 169,  
194) }
```


Background

The CSS property to change the background color of an element to Yxy 33.6487, 0.2285, 0.2891 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 169, 194) }
```

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

```
.background{ background-color: rgb(72, 169,  
194) }
```

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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