

Converting Colors

$Yxy(32.5842, 0.2119, 0.2609)$

Have a look what the booklet for
Yxy(32.5842, 0.2119, 0.2609)
contains.

Yxy(32.5299, 0.2118, 0.2606)	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(32.5299, 0.2118, 0.2606)

Conversions

Conversions Part 1

Format	Color
Hex	2FA6D2
RGB	47, 166, 210
RGB Percent	18%, 65%, 82%
CMY	0.8160, 0.3490, 0.1765
CMYK	0.78, 0.21, 0.00, 0.18
HSL	196°, 64%, 50%
HSV	196°, 78%, 82%
XYZ	26.4383, 32.5299, 65.8587
YIQ	135.4350, -85.0480, -11.5440

Conversions

Conversions Part 2

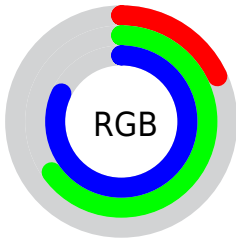
Format	Color
R _Y B	47, 116, 210
Decimal	3122898
CIE Lab	63.78, -17.48, -31.59
CIE LCh	64, 36.107, 241.038
Yxy	32.5299, 0.2118, 0.2606
Android (android.graphics.Color)	4281312978 (0xFF2FA6D2)
YUV	135.4350, 36.7605, -77.5575
Hunter-Lab	57.0350, -17.0683, -28.5381

Details

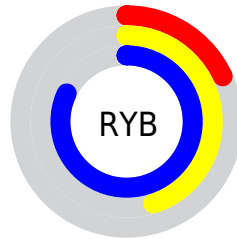
The Yxy color **32.5299, 0.2118, 0.2606** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle washed azure. A complement of this color would be **21.3745, 0.5372, 0.3725**, and the grayscale version is **24.2756, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.7845, 0.2355, 0.2878**, and **14.4012, 0.2006, 0.2421** is the 20% darker color. If you saturate the color by 10%, you get **30.1324, 0.2052, 0.2505**, and if you desaturate by 10%, it is **35.2602, 0.2204, 0.2708**.

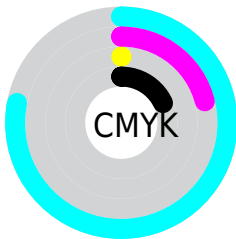
Distribution



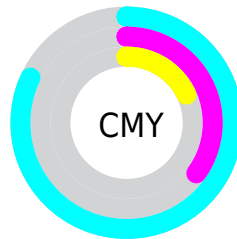
- Red (18%)
- Green (65%)
- Blue (82%)



- Red (18%)
- Yellow (45%)
- Blue (82%)



- Cyan (78%)
- Magenta (21%)
- Yellow (0%)
- Black (18%)



- Cyan (82%)
- Magenta (35%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 32.5299, 0.2118, 0.2606 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 32.5299, 0.2118, 0.2606 by changing the saturation by 10% instead.

■ 32.5299, 0.2118,
0.2606

■ 32.5299, 0.2118,
0.2606

■ 313.5261, 0.2627,
0.2972

■ 21.7666, 0.1993,
0.2509

■ 63.6409, 0.2302,
0.2744

■ 13.6855, 0.1834,
0.2382

■ 84.7573, 0.2372,
0.2794

■ 7.9022, 0.1628,
0.2210

■ 110.0936, 0.2431,
0.2836

■ 4.0325, 0.1355,
0.1968

■ 140.0341, 0.2481,
0.2872

■ 1.6917, 0.0988,
0.1612

■ 174.9632, 0.2525,
0.2902

■ 0.4183, 0.0000,
0.0978

215.2653, 0.2563,

■ 0.0000, 0.0000,

0.2929

0.0000

261.3248, 0.2597,
0.2952

■ 32.5299, 0.2118,
0.2606

■ 32.5299, 0.2118,
0.2606

■ 30.1324, 0.2052,
0.2505

■ 35.2602, 0.2204,
0.2708

■ 28.0205, 0.2005,
0.2404

■ 38.3514, 0.2309,
0.2808

■ 27.5503, 0.1995,
0.2381

■ 41.8318, 0.2429,
0.2904

■ 45.7253, 0.2563,
0.2997

■ 50.0537, 0.2707,
0.3084

■ 54.8370, 0.2857,
0.3164

■ 60.0938, 0.3010,
0.3238

■ 65.8414, 0.3163,
0.3305

■ 72.0963, 0.3314,
0.3365

Harmonies

Analogous

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



32.5299, 0.2164, 0.3021



32.5299, 0.2118, 0.2606



32.5299, 0.2305, 0.2412

Triad

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



32.5299, 0.2118, 0.2606



32.5299, 0.3821, 0.2980



32.5299, 0.3480, 0.4327

Complementary

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



32.5299, 0.2118, 0.2606



21.3745, 0.5372, 0.3725

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.



32.5299, 0.3968, 0.4198



32.5299, 0.2118, 0.2606



32.5299, 0.4194, 0.3408

Square

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



32.5299, 0.2118, 0.2606



32.5299, 0.3259, 0.2634



32.5299, 0.4241, 0.3845



32.5299, 0.2922, 0.4105

Rectangle

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



32.5299, 0.2118, 0.2606



32.5299, 0.2551, 0.2402



32.5299, 0.4241, 0.3845



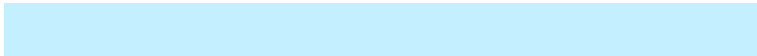
32.5299, 0.3658, 0.4319

Sweetspot

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



32.5310, 0.2118, 0.2606



80.8400, 0.2772, 0.3120



47.4417, 0.2864, 0.5209



16.7365, 0.2718, 0.3090



0.0000, 0.0000, 0.0000



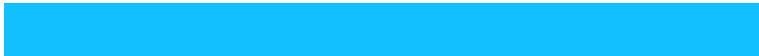
21.4041, 0.3127, 0.3290

Same Dimension

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



32.5310, 0.2118, 0.2606



44.6192, 0.2020, 0.2441



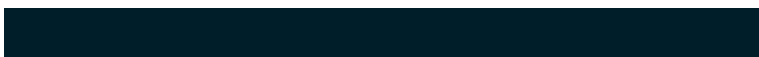
11.7487, 0.1779, 0.1303



12.8451, 0.2983, 0.3226



16.9789, 0.1999, 0.2396



1.0768, 0.2050, 0.2579

Inverse Universe

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



18.4822, 0.3797, 0.2036



25.4504, 0.3978, 0.1991



43.3925, 0.4447, 0.4612



11.9523, 0.3178, 0.3122



9.7853, 0.4027, 0.1992



0.5600, 0.3844, 0.1891

Previews

White Background



This preview shows how the Yxy color 32.5299, 0.2118, 0.2606 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 32.5299, 0.2118, 0.2606 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

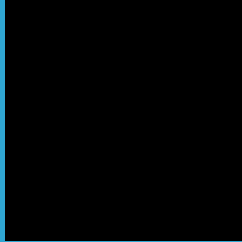
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

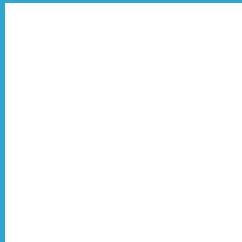
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 32.5299, 0.2118, 0.2606

Background



This preview shows how black text looks on a background with the Yxy color 32.5299, 0.2118, 0.2606.

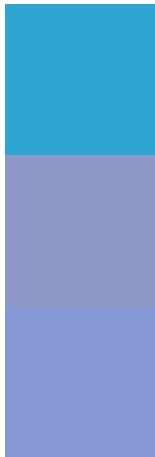


This preview shows how white text looks on a background with the Yxy color 32.5299, 0.2118, 0.2606.

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

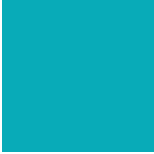
32.5299, 0.2118, 0.2606

Protanopia

32.2427, 0.2637, 0.2615

Deuteranopia

32.2471, 0.2482, 0.2432



Tritanopia

32.6381, 0.2192, 0.3068

Trichromacy



Original Color

32.5299, 0.2118, 0.2606

Protanomaly

31.5515, 0.2378, 0.2596

Deuteranomaly

31.6922, 0.2299, 0.2477

Tritanomaly

32.3968, 0.2156, 0.2893

Monochromacy



Original Color

32.5299, 0.2118, 0.2606

Achromatopsia

24.2281, 0.3127, 0.3290

Achromatomaly

26.0500, 0.2590, 0.3012

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.5299, 0.2118, 0.2606 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(47, 166, 210)` looks like.

```
.text, #text, p{  
    color:rgb(47, 166, 210)  
}
```

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(47, 166, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 166, 210) }
```

Border

The CSS property to change the border of an element to Yxy 32.5299, 0.2118, 0.2606 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(47, 166, 210) }
```

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

```
.border{ border-color:rgb(47, 166, 210) }
```

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

Here you see how a box with a 4 pixel rgb(47, 166, 210) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 166, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 166, 210);  
box-shadow:4px 4px 4px 4px rgb(47, 166,  
210) }
```


Background

The CSS property to change the background color of an element to Yxy 32.5299, 0.2118, 0.2606 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 166, 210) }
```

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

```
.background{ background-color: rgb(47, 166,  
210) }
```

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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