

Converting Colors

$Yxy(32.9675, 0.2587, 0.3252)$

Have a look what the booklet for
Yxy(32.9675, 0.2587, 0.3252)
contains.

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Color

Yxy(32.9244, 0.2589, 0.3256)

Conversions

Conversions Part 1

Format	Color
Hex	66A6A8
RGB	102, 166, 168
RGB Percent	40%, 65%, 66%
CMY	0.6001, 0.3490, 0.3412
CMYK	0.39, 0.01, 0.00, 0.34
HSL	182°, 28%, 53%
HSV	182°, 39%, 66%
XYZ	26.1798, 32.9244, 42.0150
YIQ	147.0920, -38.7860, -12.9460

Conversions

Conversions Part 2

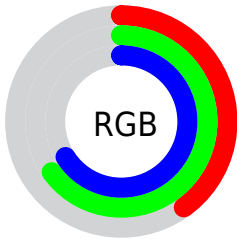
Format	Color
RYB	102, 134, 168
Decimal	6727336
CIELab	64.10, -19.94, -7.50
CIElCh	64, 21.301, 200.624
Yxy	32.9244, 0.2589, 0.3256
Android (android.graphics.Color)	4284917416 (0xFF66A6A8)
YUV	147.0920, 10.3076, -39.5457
Hunter-Lab	57.3798, -18.9733, -3.2479

Details

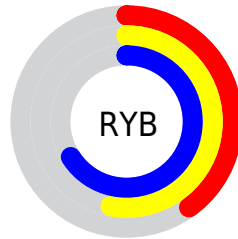
The Yxy color **32.9244, 0.2589, 0.3256** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **19.1722, 0.4072, 0.3324**, and the grayscale version is **29.1836, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.1085, 0.2693, 0.3264**, and **13.9240, 0.2417, 0.3240** is the 20% darker color. If you saturate the color by 10%, you get **31.8593, 0.2484, 0.3246**, and if you desaturate by 10%, it is **34.1917, 0.2710, 0.3265**.

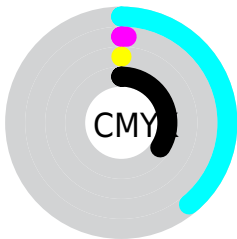
Distribution



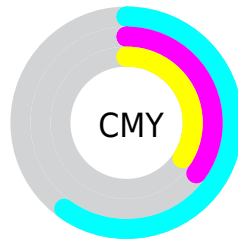
- Red (40%)
- Green (65%)
- Blue (66%)



- Red (40%)
- Yellow (53%)
- Blue (66%)



- Cyan (39%)
- Magenta (1%)
- Yellow (0%)
- Black (34%)




- Cyan (60%)
- Magenta (35%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.9244, 0.2589, 0.3256 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 32.9244, 0.2589, 0.3256 by changing the saturation by 10% instead.


 32.9244, 0.2589,
0.3256


 32.9244, 0.2589,
0.3256


315.3089, 0.2869,
0.3279


 22.0685, 0.2515,
0.3248


 64.2575, 0.2694,
0.3266

 13.9073, 0.2419,
0.3236

 85.5035, 0.2732,
0.3269

 8.0562, 0.2286,
0.3217


 110.9817, 0.2764,
0.3272

 4.1309, 0.2095,
0.3183

 141.0764, 0.2792,
0.3274

 1.7471, 0.1796,
0.3116

176.1721, 0.2815,
0.3276

 0.4539, 0.0000,
0.3080

216.6532, 0.2836,

 0.0000, 0.0000,

0.3277

0.0000

262.9040, 0.2853,
0.3278

■ 32.9244, 0.2589,
0.3256

■ 32.9244, 0.2589,
0.3256

■ 31.8593, 0.2484,
0.3246

■ 34.1917, 0.2710,
0.3265

■ 30.9803, 0.2396,
0.3236

■ 35.6684, 0.2843,
0.3274

■ 30.2755, 0.2326,
0.3226

■ 37.3659, 0.2987,
0.3283

■ 29.7295, 0.2275,
0.3217

■ 39.2940, 0.3138,
0.3291

■ 29.3246, 0.2242,
0.3207

■ 41.4616, 0.3293,
0.3298

■ 29.0247, 0.2223,
0.3197

■ 43.8773, 0.3451,
0.3304

■ 29.0046, 0.2221,
0.3197

■ 46.5491, 0.3608,
0.3310

■ 49.4849, 0.3762,
0.3315

■ 52.6920, 0.3913,
0.3319

Harmonies

Analogous

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



32.9244, 0.2816, 0.3576



32.9244, 0.2589, 0.3256



32.9244, 0.2502, 0.2968

Triad

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



32.9244, 0.2589, 0.3256



32.9244, 0.3093, 0.2830



32.9244, 0.3706, 0.3784

Complementary

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



32.9244, 0.2589, 0.3256



19.1722, 0.4072, 0.3324

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.



32.9244, 0.3795, 0.3558



32.9244, 0.2589, 0.3256



32.9244, 0.3431, 0.3023

Square

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



32.9244, 0.2589, 0.3256



32.9244, 0.2781, 0.2743



32.9244, 0.3693, 0.3283



32.9244, 0.3460, 0.3888

Rectangle

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



32.9244, 0.2589, 0.3256



32.9244, 0.2531, 0.2833



32.9244, 0.3693, 0.3283



32.9244, 0.3756, 0.3718

Sweetspot

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



32.9257, 0.2589, 0.3256



66.8740, 0.2944, 0.3280



31.8047, 0.3064, 0.4444



14.4915, 0.2926, 0.3279



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



32.9257, 0.2589, 0.3256



58.0787, 0.2498, 0.3248



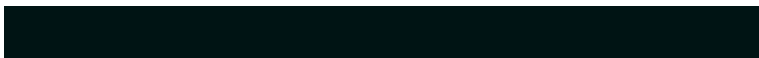
22.6662, 0.2505, 0.2698



8.4929, 0.2987, 0.3283



21.9203, 0.2222, 0.3198



0.5448, 0.2230, 0.3229

Inverse Universe

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



20.5736, 0.3195, 0.2366



32.6191, 0.3211, 0.2182



26.9128, 0.3876, 0.3813



7.6627, 0.3142, 0.3074



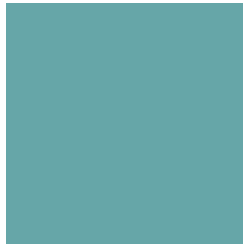
8.2839, 0.3284, 0.1583



0.2027, 0.3257, 0.1568

Previews

White Background



This preview shows how the Yxy color 32.9244, 0.2589, 0.3256 looks on a white background.

Color Contrast Check

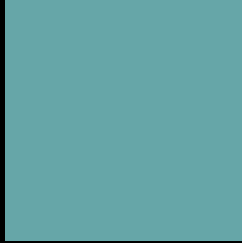
Large Text (above 18pt) WCAG AA × Fail

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 32.9244, 0.2589, 0.3256 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

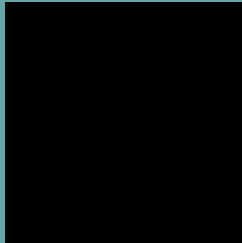
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.9244, 0.2589, 0.3256

Background



This preview shows how black text looks on a background with the Yxy color 32.9244, 0.2589, 0.3256.

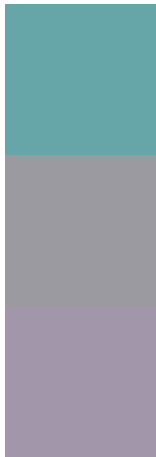


This preview shows how white text looks on a background with the Yxy color 32.9244, 0.2589, 0.3256.

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

32.9244, 0.2589, 0.3256

Protanopia

32.7523, 0.3083, 0.3185

Deuteranopia

32.4343, 0.3052, 0.2986



Tritanopia

32.7685, 0.2538, 0.3065

Trichromacy



Original Color

32.9244, 0.2589, 0.3256

Protanomaly

32.3683, 0.2871, 0.3196

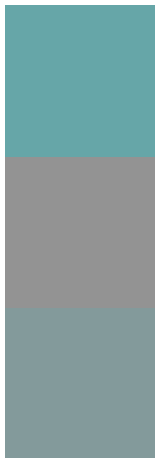
Deuteranomaly

32.2547, 0.2856, 0.3075

Tritanomaly

32.9093, 0.2560, 0.3143

Monochromacy



Original Color

32.9244, 0.2589, 0.3256

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

30.3031, 0.2898, 0.3273

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.9244, 0.2589, 0.3256 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(102, 166, 168)` looks like.

```
.text, #text, p{  
    color:rgb(102, 166, 168)  
}
```

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(102, 166, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 166, 168) }
```

Border

The CSS property to change the border of an element to Yxy 32.9244, 0.2589, 0.3256 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(102, 166, 168) }
```

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

```
.border{ border-color:rgb(102, 166, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 166, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 166, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 166, 168);  
box-shadow:4px 4px 4px 4px rgb(102, 166,  
168) }
```


Background

The CSS property to change the background color of an element to Yxy 32.9244, 0.2589, 0.3256 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 166, 168) }
```

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

```
.background{ background-color: rgb(102,  
166, 168) }
```

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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