

Converting Colors

$Yxy(32.4740, 0.2341, 0.3271)$

Have a look what the booklet for
Yxy(32.4740, 0.2341, 0.3271)
contains.

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Color

Yxy(32.4740, 0.2341, 0.3271)

Conversions

Conversions Part 1

Format	Color
Hex	36AAAB
RGB	54, 170, 171
RGB Percent	21%, 67%, 67%
CMY	0.7886, 0.3333, 0.3295
CMYK	0.68, 0.01, 0.00, 0.33
HSL	180°, 52%, 44%
HSV	180°, 68%, 67%
XYZ	23.2411, 32.4740, 43.5634
YIQ	135.4300, -69.4570, -24.2810

Conversions

Conversions Part 2

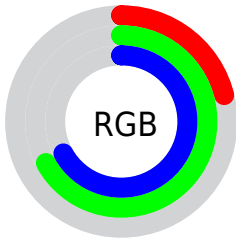
Format	Color
RYB	54, 112, 171
Decimal	3582635
CIELab	63.73, -31.01, -9.90
CIElCh	64, 32.555, 197.709
Yxy	32.4740, 0.2341, 0.3271
Android (android.graphics.Color)	4281772715 (0xFF36AAAB)
YUV	135.4300, 17.5360, -71.4141
Hunter-Lab	56.9860, -26.9262, -5.4346

Details

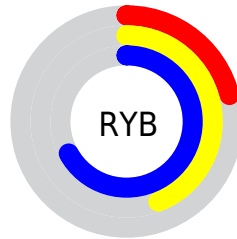
The Yxy color **32.4740, 0.2341, 0.3271** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **11.6416, 0.5347, 0.3308**, and the grayscale version is **24.3392, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.6656, 0.2492, 0.3288**, and **14.0545, 0.2233, 0.3238** is the 20% darker color. If you saturate the color by 10%, you get **32.0302, 0.2291, 0.3268**, and if you desaturate by 10%, it is **33.0865, 0.2410, 0.3274**.

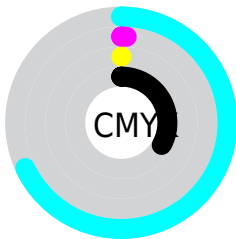
Distribution



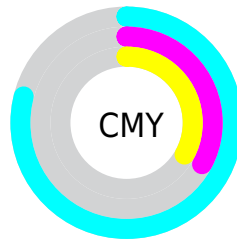
- Red (21%)
- Green (67%)
- Blue (67%)



- Red (21%)
- Yellow (44%)
- Blue (67%)



- Cyan (68%)
- Magenta (1%)
- Yellow (0%)
- Black (33%)



- Cyan (79%)
- Magenta (33%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 32.4740, 0.2341, 0.3271 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 32.4740, 0.2341, 0.3271 by changing the saturation by 10% instead.


 32.4740, 0.2341,
0.3271


 32.4740, 0.2341,
0.3271


313.2728, 0.2748,
0.3292

 21.7238, 0.2236,
0.3261


 63.5534, 0.2492,
0.3282


 13.6541, 0.2099,
0.3246


 84.6515, 0.2547,
0.3285


 7.8805, 0.1915,
0.3220


 109.9676, 0.2594,
0.3287

 4.0186, 0.1655,
0.3170

 139.8861, 0.2634,
0.3289

 1.6840, 0.1254,
0.3069

 174.7915, 0.2668,
0.3290

 0.4132, 0.0000,
0.2638

215.0682, 0.2698,

 0.0000, 0.0000,

0.3291

0.0000

261.1005, 0.2724,
0.3291

■ 32.4740, 0.2341,
0.3271

■ 32.4740, 0.2341,
0.3271

■ 32.0302, 0.2291,
0.3268

■ 33.0865, 0.2410,
0.3274

■ 31.7330, 0.2259,
0.3265

■ 33.8797, 0.2497,
0.3277

■ 31.5510, 0.2242,
0.3263

■ 34.8688, 0.2601,
0.3280

■ 31.5262, 0.2240,
0.3262

■ 36.0662, 0.2721,
0.3283

■ 37.4834, 0.2855,
0.3285

■ 39.1311, 0.2999,
0.3288

■ 41.0193, 0.3151,
0.3290

■ 43.1574, 0.3307,
0.3293

■ 45.5541, 0.3466,
0.3295

Harmonies

Analogous

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



32.4740, 0.2688, 0.3784



32.4740, 0.2341, 0.3271



32.4740, 0.2199, 0.2819

Triad

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



32.4740, 0.2341, 0.3271



32.4740, 0.3016, 0.2590



32.4740, 0.4031, 0.3994

Complementary

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



32.4740, 0.2341, 0.3271



11.6416, 0.5347, 0.3308

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.



32.4740, 0.4153, 0.3630



32.4740, 0.2341, 0.3271



32.4740, 0.3540, 0.2856

Square

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



32.4740, 0.2341, 0.3271



32.4740, 0.2562, 0.2476



32.4740, 0.3971, 0.3224



32.4740, 0.3664, 0.4208

Rectangle

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



32.4740, 0.2341, 0.3271



32.4740, 0.2227, 0.2615



32.4740, 0.3971, 0.3224



32.4740, 0.4103, 0.3883

Sweetspot

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



32.4752, 0.2341, 0.3271



66.3678, 0.2815, 0.3285



30.1671, 0.3026, 0.5453



14.6471, 0.2779, 0.3284



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



32.4752, 0.2341, 0.3271



57.0798, 0.2273, 0.3267



15.4069, 0.2076, 0.2175



9.0605, 0.2987, 0.3288



23.7747, 0.2240, 0.3263



0.6649, 0.2242, 0.3271

Inverse Universe

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



14.1877, 0.3211, 0.1796



22.2042, 0.3222, 0.1634



20.6074, 0.4647, 0.4111



8.1469, 0.3139, 0.3068



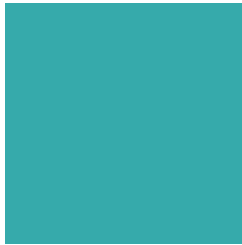
8.7031, 0.3230, 0.1553



0.2425, 0.3223, 0.1549

Previews

White Background



This preview shows how the Yxy color 32.4740, 0.2341, 0.3271 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 32.4740, 0.2341, 0.3271 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

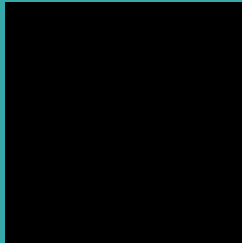
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

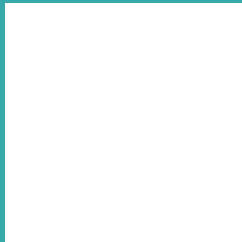
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 32.4740, 0.2341, 0.3271

Background



This preview shows how black text looks on a background with the Yxy color 32.4740, 0.2341, 0.3271.

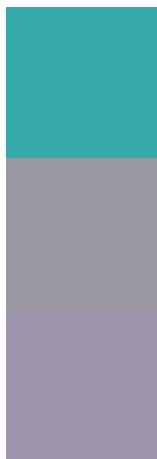


This preview shows how white text looks on a background with the Yxy color 32.4740, 0.2341, 0.3271.

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

32.4740, 0.2341, 0.3271

Protanopia

31.8646, 0.3073, 0.3169

Deuteranopia

31.8591, 0.2978, 0.2911



Tritanopia

32.3433, 0.2296, 0.3055

Trichromacy



Original Color

32.4740, 0.2341, 0.3271

Protanomaly

31.3282, 0.2720, 0.3208

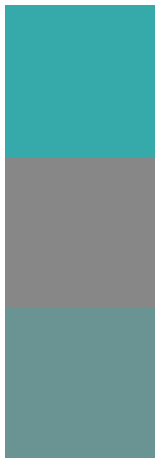
Deuteranomaly

31.1630, 0.2659, 0.3019

Tritanomaly

32.4898, 0.2314, 0.3137

Monochromacy



Original Color

32.4740, 0.2341, 0.3271

Achromatopsia

24.2281, 0.3127, 0.3290

Achromatomaly

26.3821, 0.2727, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.4740, 0.2341, 0.3271 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(54, 170, 171)` looks like.

```
.text, #text, p{  
    color:rgb(54, 170, 171)  
}
```

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(54, 170, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(54, 170, 171) }
```

Border

The CSS property to change the border of an element to Yxy 32.4740, 0.2341, 0.3271 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(54, 170, 171) }
```

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

```
.border{ border-color:rgb(54, 170, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(54, 170, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(54, 170, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(54, 170, 171);  
box-shadow:4px 4px 4px 4px rgb(54, 170,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 32.4740, 0.2341, 0.3271 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(54, 170, 171) }
```

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

```
.background{ background-color: rgb(54, 170,  
171) }
```

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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