

Converting Colors

$Y_{xy}(32.1421, 0.2374, 0.3220)$

Have a look what the booklet for
Yxy(32.1421, 0.2374, 0.3220)
contains.

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Color

Yxy(32.1421, 0.2374, 0.3220)

Conversions

Conversions Part 1

Format	Color
Hex	42A8AC
RGB	66, 168, 172
RGB Percent	26%, 66%, 67%
CMY	0.7410, 0.3412, 0.3255
CMYK	0.62, 0.02, 0.00, 0.33
HSL	182°, 45%, 47%
HSV	182°, 62%, 67%
XYZ	23.6973, 32.1421, 43.9808
YIQ	137.9580, -62.0760, -20.3800

Conversions

Conversions Part 2

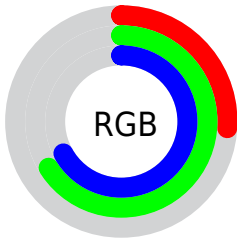
Format	Color
RYB	66, 118, 172
Decimal	4368556
CIELab	63.46, -27.81, -10.84
CIELCh	63, 29.844, 201.301
Yxy	32.1421, 0.2374, 0.3220
Android (android.graphics.Color)	4282558636 (0xFF42A8AC)
YUV	137.9580, 16.7827, -63.1072
Hunter-Lab	56.6940, -24.6040, -6.3088

Details

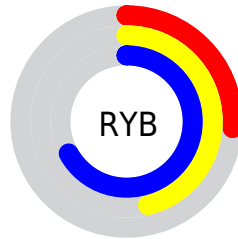
The Yxy color **32.1421, 0.2374, 0.3220** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **13.5493, 0.4991, 0.3350**, and the grayscale version is **25.3564, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.2930, 0.2523, 0.3250**, and **13.6175, 0.2212, 0.3164** is the 20% darker color. If you saturate the color by 10%, you get **31.3938, 0.2308, 0.3207**, and if you desaturate by 10%, it is **33.0737, 0.2459, 0.3233**.

Distribution



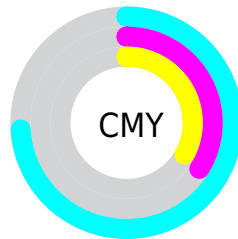
- Red (26%)
- Green (66%)
- Blue (67%)



- Red (26%)
- Yellow (46%)
- Blue (67%)



- Cyan (62%)
- Magenta (2%)
- Yellow (0%)
- Black (33%)





- Cyan (74%)
- Magenta (34%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.1421, 0.2374, 0.3220 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 32.1421, 0.2374, 0.3220 by changing the saturation by 10% instead.


 32.1421, 0.2374,
0.3220


 32.1421, 0.2374,
0.3220


311.7661, 0.2764,
0.3267

 21.4701, 0.2273,
0.3203


 63.0338, 0.2519,
0.3240


 13.4680, 0.2141,
0.3179


 84.0222, 0.2572,
0.3247

 7.7516, 0.1963,
0.3141


 109.2183, 0.2617,
0.3252

 3.9364, 0.1710,
0.3074

 139.0063, 0.2655,
0.3257

 1.6381, 0.1326,
0.2945

 173.7707, 0.2688,
0.3260

 0.3831, 0.0000,
0.2434

213.8958, 0.2717,

 0.0000, 0.0000,

0.3263

0.0000

259.7662, 0.2742,
0.3265

■ 32.1421, 0.2374,
0.3220

■ 32.1421, 0.2374,
0.3220

■ 31.3938, 0.2308,
0.3207

■ 33.0737, 0.2459,
0.3233

■ 30.8085, 0.2260,
0.3195

■ 34.1994, 0.2561,
0.3245

■ 30.3676, 0.2230,
0.3183

■ 35.5338, 0.2679,
0.3257

■ 30.0729, 0.2215,
0.3173

■ 37.0886, 0.2811,
0.3268

■ 38.8750, 0.2953,
0.3279

■ 40.9033, 0.3103,
0.3289

■ 43.1832, 0.3257,
0.3298

■ 45.7238, 0.3415,
0.3306

■ 48.5338, 0.3572,
0.3313

Harmonies

Analogous

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



32.1421, 0.2677, 0.3690



32.1421, 0.2374, 0.3220



32.1421, 0.2265, 0.2819

Triad

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



32.1421, 0.2374, 0.3220



32.1421, 0.3084, 0.2663



32.1421, 0.3931, 0.3977

Complementary

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



32.1421, 0.2374, 0.3220



13.5493, 0.4991, 0.3350

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.



32.1421, 0.4072, 0.3654



32.1421, 0.2374, 0.3220



32.1421, 0.3563, 0.2926

Square

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



32.1421, 0.2374, 0.3220



32.1421, 0.2649, 0.2539



32.1421, 0.3937, 0.3277



32.1421, 0.3575, 0.4142

Rectangle

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



32.1421, 0.2374, 0.3220



32.1421, 0.2307, 0.2642



32.1421, 0.3937, 0.3277



32.1421, 0.4007, 0.3881

Sweetspot

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



32.1433, 0.2374, 0.3220



68.3048, 0.2856, 0.3272



31.0993, 0.3017, 0.5186



14.6533, 0.2817, 0.3268



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.



32.1433, 0.2374, 0.3220



56.5292, 0.2288, 0.3203



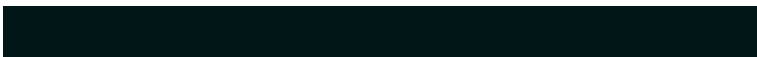
16.5115, 0.2153, 0.2238



9.0195, 0.2987, 0.3281



22.3998, 0.2215, 0.3174



0.6387, 0.2225, 0.3211

Inverse Universe

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



15.4991, 0.3246, 0.1933



24.0415, 0.3271, 0.1745



23.2188, 0.4424, 0.4105



8.1428, 0.3143, 0.3075



8.5643, 0.3304, 0.1594



0.2398, 0.3273, 0.1577

Previews

White Background



This preview shows how the Yxy color 32.1421, 0.2374, 0.3220 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 32.1421, 0.2374, 0.3220 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

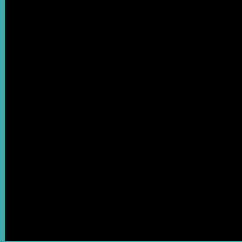
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.1421, 0.2374, 0.3220

Background



This preview shows how black text looks on a background with the Yxy color 32.1421, 0.2374, 0.3220.

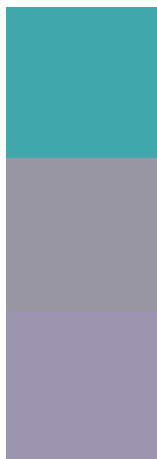


This preview shows how white text looks on a background with the Yxy color 32.1421, 0.2374, 0.3220.

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

32.1421, 0.2374, 0.3220

Protanopia

31.8374, 0.3045, 0.3139

Deuteranopia

31.6974, 0.2950, 0.2895



Tritanopia

32.2348, 0.2343, 0.3072

Trichromacy



Original Color

32.1421, 0.2374, 0.3220

Protanomaly

31.2718, 0.2728, 0.3160

Deuteranomaly

31.0830, 0.2673, 0.2990

Tritanomaly

32.0770, 0.2355, 0.3120

Monochromacy



Original Color

32.1421, 0.2374, 0.3220

Achromatopsia

25.4152, 0.3127, 0.3290

Achromatomaly

27.1416, 0.2765, 0.3272

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.1421, 0.2374, 0.3220 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(66, 168, 172)` looks like.

```
.text, #text, p{  
    color:rgb(66, 168, 172)  
}
```

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(66, 168, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 168, 172) }
```

Border

The CSS property to change the border of an element to Yxy 32.1421, 0.2374, 0.3220 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(66, 168, 172) }
```

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

```
.border{ border-color:rgb(66, 168, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 168, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 168, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 168, 172);  
box-shadow:4px 4px 4px 4px rgb(66, 168,  
172) }
```


Background

The CSS property to change the background color of an element to Yxy 32.1421, 0.2374, 0.3220 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 168, 172) }
```

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

```
.background{ background-color: rgb(66, 168,  
172) }
```

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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