

Converting Colors

$Yxy(32.0347, 0.2216, 0.3158)$

Have a look what the booklet for
Yxy(32.0347, 0.2216, 0.3158)
contains.

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Color

Yxy(32.0090, 0.2214, 0.3150)

Conversions

Conversions Part 1

Format	Color
Hex	07AAB2
RGB	7, 170, 178
RGB Percent	3%, 67%, 70%
CMY	0.9724, 0.3333, 0.3020
CMYK	0.96, 0.04, 0.00, 0.30
HSL	183°, 92%, 36%
HSV	183°, 96%, 70%
XYZ	22.4978, 32.0090, 47.1091
YIQ	122.1750, -99.7160, -32.0680

Conversions

Conversions Part 2

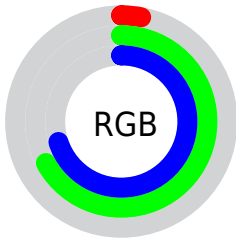
Format	Color
RYB	7, 90, 178
Decimal	502450
CIELab	63.35, -32.73, -14.46
CIELCh	63, 35.784, 203.828
Yxy	32.0090, 0.2214, 0.3150
Android (android.graphics.Color)	4278692530 (0xFF07AAB2)
YUV	122.1750, 27.5217, -101.0085
Hunter-Lab	56.5765, -28.0280, -9.7650

Details

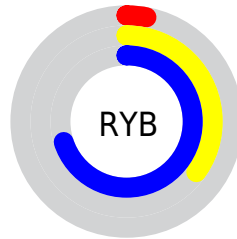
The Yxy color **32.0090, 0.2214, 0.3150** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **9.8221, 0.6292, 0.3328**, and the grayscale version is **19.4585, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.9859, 0.2387, 0.3186**, and **14.2032, 0.2193, 0.3096** is the 20% darker color. If you saturate the color by 10%, you get **31.8417, 0.2207, 0.3144**, and if you desaturate by 10%, it is **32.4823, 0.2238, 0.3165**.

Distribution



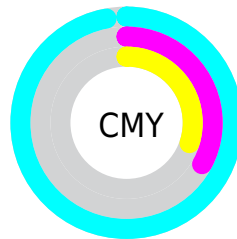
- Red (3%)
- Green (67%)
- Blue (70%)



- Red (3%)
- Yellow (35%)
- Blue (70%)



- Cyan (96%)
- Magenta (4%)
- Yellow (0%)
- Black (30%)




- Cyan (97%)
- Magenta (33%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.0090, 0.2214, 0.3150 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 32.0090, 0.2214, 0.3150 by changing the saturation by 10% instead.


 32.0090, 0.2214,
0.3150


 32.0090, 0.2214,
0.3150

 311.1602, 0.2683,
0.3239

 21.3684, 0.2094,
0.3121


 62.8252, 0.2387,
0.3188

 13.3935, 0.1940,
0.3078


 83.7696, 0.2451,
0.3200

 7.7001, 0.1735,
0.3013


 108.9173, 0.2505,
0.3210

 3.9037, 0.1451,
0.2904

 138.6528, 0.2551,
0.3218

 1.6198, 0.1014,
0.2712

 173.3604, 0.2591,
0.3225

 0.3709, 0.0000,
0.1995

 213.4246, 0.2626,

 0.0000, 0.0000,

0.3231

0.0000

259.2298, 0.2656,
0.3235

■ 32.0090, 0.2214,
0.3150

■ 32.0090, 0.2214,
0.3150

■ 31.8417, 0.2207,
0.3144

■ 32.4823, 0.2238,
0.3165

■ 33.0984, 0.2278,
0.3181

■ 33.8838, 0.2337,
0.3196

■ 34.8580, 0.2414,
0.3212

■ 36.0379, 0.2510,
0.3227

■ 37.4383, 0.2623,
0.3242

■ 39.0729, 0.2749,
0.3257

■ 40.9540, 0.2888,
0.3270

■ 43.0933, 0.3035,
0.3283

Harmonies

Analogous

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



32.0090, 0.2548, 0.3727



32.0090, 0.2214, 0.3150



32.0090, 0.2111, 0.2689

Triad

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



32.0090, 0.2214, 0.3150



32.0090, 0.3118, 0.2573



32.0090, 0.4055, 0.4125

Complementary

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



32.0090, 0.2214, 0.3150



9.8221, 0.6292, 0.3328

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.



32.0090, 0.4257, 0.3742



32.0090, 0.2214, 0.3150



32.0090, 0.3694, 0.2888

Square

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



32.0090, 0.2214, 0.3150



32.0090, 0.2594, 0.2411



32.0090, 0.4128, 0.3301



32.0090, 0.3608, 0.4321

Rectangle

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



32.0090, 0.2214, 0.3150



32.0090, 0.2173, 0.2498



32.0090, 0.4128, 0.3301



32.0090, 0.4155, 0.4011

Sweetspot

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



32.0102, 0.2214, 0.3150



69.7877, 0.2704, 0.3252



31.9127, 0.2996, 0.5946



15.1865, 0.2651, 0.3246



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



32.0102, 0.2214, 0.3150



57.6487, 0.2206, 0.3142



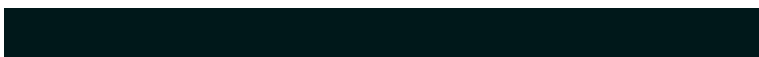
10.0458, 0.1771, 0.1545



9.5621, 0.2986, 0.3279



22.8107, 0.2207, 0.3146



0.7384, 0.2219, 0.3188

Inverse Universe

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



12.5195, 0.3323, 0.1619



22.3954, 0.3332, 0.1609



18.2549, 0.5230, 0.4190



8.6397, 0.3145, 0.3076



8.8429, 0.3328, 0.1607



0.2803, 0.3292, 0.1587

Previews

White Background



This preview shows how the Yxy color 32.0090, 0.2214, 0.3150 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 32.0090, 0.2214, 0.3150 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

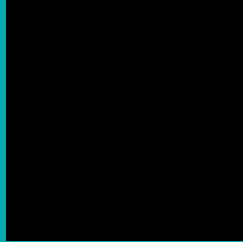
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.0090, 0.2214, 0.3150

Background



This preview shows how black text looks on a background with the Yxy color 32.0090, 0.2214, 0.3150.

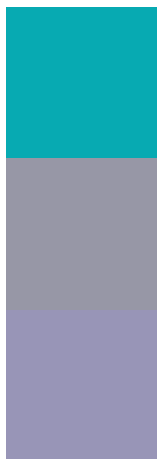


This preview shows how white text looks on a background with the Yxy color 32.0090, 0.2214, 0.3150.

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

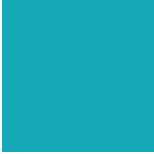
32.0090, 0.2214, 0.3150

Protanopia

31.4657, 0.2990, 0.3064

Deuteranopia

31.5892, 0.2853, 0.2795



Tritanopia

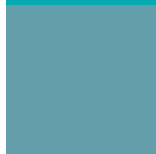
31.9654, 0.2201, 0.3051

Trichromacy



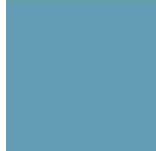
Original Color

32.0090, 0.2214, 0.3150



Protanomaly

30.0086, 0.2535, 0.3089



Deuteranomaly

30.1028, 0.2460, 0.2899



Tritanomaly

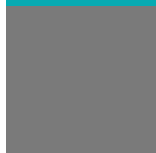
31.8313, 0.2204, 0.3083

Monochromacy



Original Color

32.0090, 0.2214, 0.3150



Achromatopsia

19.4618, 0.3127, 0.3290



Achromatomaly

22.1237, 0.2544, 0.3230

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.0090, 0.2214, 0.3150 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(7, 170, 178)` looks like.

```
.text, #text, p{  
    color:rgb(7, 170, 178)  
}
```

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(7, 170, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(7, 170, 178) }
```

Border

The CSS property to change the border of an element to Yxy 32.0090, 0.2214, 0.3150 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(7, 170, 178) }
```

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

```
.border{ border-color:rgb(7, 170, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(7, 170, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(7, 170, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(7, 170, 178);  
box-shadow:4px 4px 4px 4px rgb(7, 170,  
178) }
```


Background

The CSS property to change the background color of an element to Yxy 32.0090, 0.2214, 0.3150 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(7, 170, 178) }
```

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

```
.background{ background-color: rgb(7, 170,  
178) }
```

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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