

Converting Colors

$Yxy(30.7384, 0.2364, 0.3564)$

Have a look what the booklet for
Yxy(30.7384, 0.2364, 0.3564)
contains.

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Color

Yxy(30.5812, 0.2363, 0.3563)

Conversions

Conversions Part 1

Format	Color
Hex	1EA899
RGB	30, 168, 153
RGB Percent	12%, 66%, 60%
CMY	0.8833, 0.3411, 0.4000
CMYK	0.82, 0.00, 0.09, 0.34
HSL	173°, 70%, 39%
HSV	173°, 82%, 66%
XYZ	20.2816, 30.5812, 34.9671
YIQ	125.0280, -77.4330, -33.9210

Conversions

Conversions Part 2

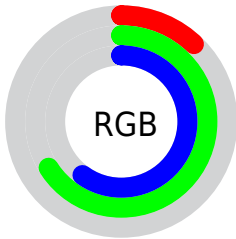
Format	Color
RYB	30, 103, 168
Decimal	2009241
CIELab	62.15, -38.08, -2.22
CIELCh	62, 38.144, 183.329
Yxy	30.5812, 0.2363, 0.3563
Android (android.graphics.Color)	4280199321 (0xFF1EA899)
YUV	125.0280, 13.7902, -83.3396
Hunter-Lab	55.3003, -31.3098, 1.2203

Details

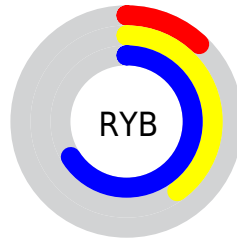
The Yxy color **30.5812, 0.2363, 0.3563** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **9.4299, 0.5714, 0.3155**, and the grayscale version is **20.4661, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.6411, 0.2516, 0.3516**, and **13.2208, 0.2342, 0.3630** is the 20% darker color. If you saturate the color by 10%, you get **30.3354, 0.2346, 0.3600**, and if you desaturate by 10%, it is **30.9646, 0.2398, 0.3526**.

Distribution



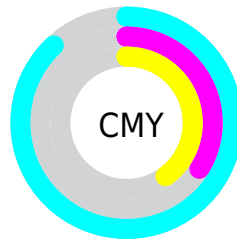
- Red (12%)
- Green (66%)
- Blue (60%)



- Red (12%)
- Yellow (40%)
- Blue (66%)



- Cyan (82%)
- Magenta (0%)
- Yellow (9%)
- Black (34%)




- Cyan (88%)
- Magenta (34%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.5812, 0.2363, 0.3563 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 30.5812, 0.2363, 0.3563 by changing the saturation by 10% instead.


 30.5812, 0.2363,
0.3563


 30.5812, 0.2363,
0.3563


 304.6042, 0.2766,
0.3422

 20.2802, 0.2256,
0.3599


 60.5801, 0.2515,
0.3511


 12.5989, 0.2114,
0.3646


 81.0468, 0.2570,
0.3491


 7.1529, 0.1919,
0.3710


 105.6707, 0.2616,
0.3475

 3.5579, 0.1637,
0.3797

 134.8364, 0.2655,
0.3461

 1.4295, 0.0981,
0.4018

 168.9282, 0.2689,
0.3449

 0.2383, 0.0000,
0.3651

 208.3305, 0.2718,

 0.0000, 0.0000,

0.3439

0.0000

253.4277, 0.2744,
0.3430

■ 30.5812, 0.2363,
0.3563

■ 30.5812, 0.2363,
0.3563

■ 30.3354, 0.2346,
0.3600

■ 30.9646, 0.2398,
0.3526

■ 30.2048, 0.2341,
0.3628

■ 31.5010, 0.2451,
0.3489

■ 32.2074, 0.2523,
0.3453

■ 33.0977, 0.2612,
0.3418

■ 34.1844, 0.2717,
0.3384

■ 35.4788, 0.2834,
0.3352

■ 36.9914, 0.2961,
0.3323

■ 38.7320, 0.3096,
0.3296

■ 40.7099, 0.3235,
0.3271

Harmonies

Analogous

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



30.5812, 0.2858, 0.4142



30.5812, 0.2363, 0.3563



30.5812, 0.2084, 0.2954

Triad

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



30.5812, 0.2363, 0.3563



30.5812, 0.2714, 0.2382



30.5812, 0.4314, 0.3911

Complementary

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



30.5812, 0.2363, 0.3563



9.4299, 0.5714, 0.3155

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.



30.5812, 0.4295, 0.3446



30.5812, 0.2363, 0.3563



30.5812, 0.3315, 0.2612

Square

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



30.5812, 0.2363, 0.3563



30.5812, 0.2272, 0.2344



30.5812, 0.3916, 0.2988



30.5812, 0.3993, 0.4285

Rectangle

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



30.5812, 0.2363, 0.3563



30.5812, 0.2037, 0.2644



30.5812, 0.3916, 0.2988



30.5812, 0.4349, 0.3760

Sweetspot

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



30.5824, 0.2363, 0.3563



63.5844, 0.2796, 0.3362



28.6809, 0.3073, 0.5739



13.6863, 0.2756, 0.3373



84.8088, 0.3127, 0.3290



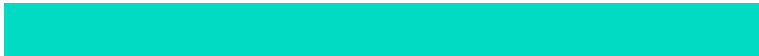
15.4872, 0.3127, 0.3290

Same Dimension

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



30.5824, 0.2363, 0.3563



54.8063, 0.2343, 0.3631



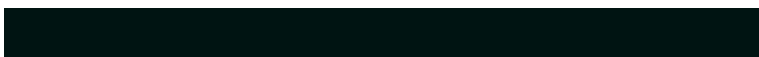
15.3642, 0.2008, 0.2247



8.5178, 0.3001, 0.3314



22.8098, 0.2340, 0.3624



0.5588, 0.2306, 0.3503

Inverse Universe

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



9.4299, 0.5714, 0.3155



15.2278, 0.6267, 0.3234



14.5672, 0.5255, 0.3935



7.5551, 0.3269, 0.3266



6.3242, 0.6245, 0.3214



0.1578, 0.5672, 0.2898

Previews

White Background



This preview shows how the Yxy color 30.5812, 0.2363, 0.3563 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 30.5812, 0.2363, 0.3563 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

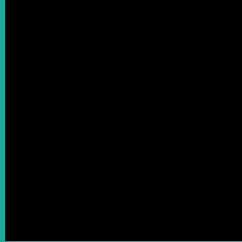
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.5812, 0.2363, 0.3563

Background



This preview shows how black text looks on a background with the Yxy color 30.5812, 0.2363, 0.3563.

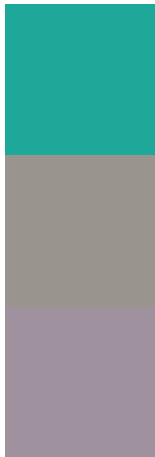


This preview shows how white text looks on a background with the Yxy color 30.5812, 0.2363, 0.3563.

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

30.5812, 0.2363, 0.3563

Protanopia

29.9051, 0.3237, 0.3384

Deuteranopia

30.1930, 0.3157, 0.3095



Tritanopia

30.4434, 0.2266, 0.3048

Trichromacy



Original Color

30.5812, 0.2363, 0.3563

Protanomaly

28.7062, 0.2772, 0.3445

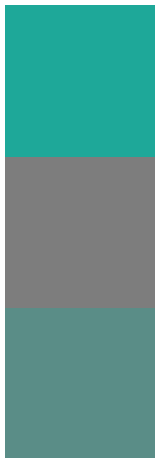
Deuteranomaly

28.6935, 0.2731, 0.3238

Tritanomaly

30.2884, 0.2296, 0.3217

Monochromacy



Original Color

30.5812, 0.2363, 0.3563

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

22.9727, 0.2684, 0.3404

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.5812, 0.2363, 0.3563 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(30, 168, 153)` looks like.

```
.text, #text, p{  
    color:rgb(30, 168, 153)  
}
```

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(30, 168, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(30, 168, 153) }
```

Border

The CSS property to change the border of an element to Yxy 30.5812, 0.2363, 0.3563 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(30, 168, 153) }
```

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

```
.border{ border-color:rgb(30, 168, 153) }
```

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

Here you see how a box with a 4 pixel rgb(30, 168, 153) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(30, 168, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(30, 168, 153);  
box-shadow:4px 4px 4px 4px rgb(30, 168,  
153) }
```


Background

The CSS property to change the background color of an element to Yxy 30.5812, 0.2363, 0.3563 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(30, 168, 153) }
```

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

```
.background{ background-color: rgb(30, 168,  
153) }
```

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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