

Converting Colors

$Yxy(33.3644, 0.2180, 0.2991)$

Have a look what the booklet for
Yxy(33.3644, 0.2180, 0.2991)
contains.

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Color

Yxy(33.3612, 0.2180, 0.2991)

Conversions

Conversions Part 1

Format	Color
Hex	13ACBE
RGB	19, 172, 190
RGB Percent	7%, 67%, 75%
CMY	0.9249, 0.3255, 0.2550
CMYK	0.90, 0.09, 0.00, 0.25
HSL	186°, 82%, 41%
HSV	186°, 90%, 75%
XYZ	24.3154, 33.3612, 53.8620
YIQ	128.3050, -96.9660, -26.8380

Conversions

Conversions Part 2

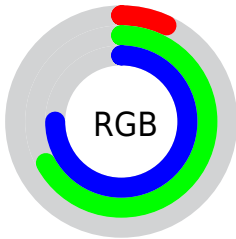
Format	Color
R _{YB}	19, 100, 190
Decimal	1289406
CIE Lab	64.45, -29.37, -19.46
CIE LCh	64, 35.234, 213.534
Yxy	33.3612, 0.2180, 0.2991
Android (android.graphics.Color)	4279479486 (0xFF13ACBE)
YUV	128.3050, 30.4156, -95.8605
Hunter-Lab	57.7592, -25.9337, -14.8581

Details

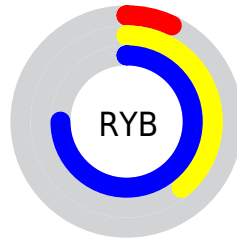
The Yxy color **33.3612, 0.2180, 0.2991** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **12.3233, 0.6085, 0.3406**, and the grayscale version is **21.6308, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.0242, 0.2356, 0.3066**, and **14.9998, 0.2133, 0.2880** is the 20% darker color. If you saturate the color by 10%, you get **32.4680, 0.2154, 0.2955**, and if you desaturate by 10%, it is **34.4042, 0.2220, 0.3027**.

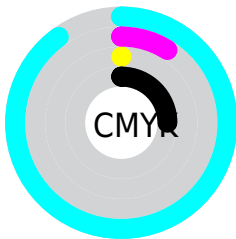
Distribution



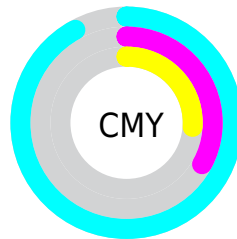
- Red (7%)
- Green (67%)
- Blue (75%)



- Red (7%)
- Yellow (39%)
- Blue (75%)



- Cyan (90%)
- Magenta (9%)
- Yellow (0%)
- Black (25%)




- Cyan (92%)
- Magenta (33%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.3612, 0.2180, 0.2991 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 33.3612, 0.2180, 0.2991 by changing the saturation by 10% instead.


 33.3612, 0.2180,
0.2991


 33.3612, 0.2180,
0.2991


317.2742, 0.2661,
0.3164


 22.4033, 0.2060,
0.2940


 64.9390, 0.2355,
0.3059


 14.1535, 0.1906,
0.2870


 86.3278, 0.2421,
0.3083

 8.2275, 0.1703,
0.2770


 111.9622, 0.2477,
0.3103

 4.2409, 0.1429,
0.2614

 142.2268, 0.2524,
0.3119

 1.8092, 0.1046,
0.2354

 177.5059, 0.2565,
0.3133

 0.4929, 0.0000,
0.1810

218.1839, 0.2601,

 0.0000, 0.0000,

0.3145

0.0000

264.6452, 0.2633,
0.3155

■ 33.3612, 0.2180,
0.2991

■ 33.3612, 0.2180,
0.2991

■ 32.4680, 0.2154,
0.2955

■ 34.4042, 0.2220,
0.3027

■ 32.4612, 0.2154,
0.2955

■ 35.6418, 0.2279,
0.3064

■ 37.1000, 0.2357,
0.3100

■ 38.7996, 0.2452,
0.3136

■ 40.7590, 0.2565,
0.3170

■ 42.9949, 0.2692,
0.3203

■ 45.5222, 0.2830,
0.3235

■ 48.3551, 0.2976,
0.3264

■ 51.5065, 0.3128,
0.3290

Harmonies

Analogous

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



33.3612, 0.2437, 0.3533



33.3612, 0.2180, 0.2991



33.3612, 0.2154, 0.2604

Triad

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



33.3612, 0.2180, 0.2991



33.3612, 0.3303, 0.2677



33.3612, 0.3910, 0.4192

Complementary

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



33.3612, 0.2180, 0.2991



12.3233, 0.6085, 0.3406

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.



33.3612, 0.4195, 0.3864



33.3612, 0.2180, 0.2991



33.3612, 0.3839, 0.3023

Square

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



33.3612, 0.2180, 0.2991



33.3612, 0.2760, 0.2465



33.3612, 0.4176, 0.3443



33.3612, 0.3426, 0.4287

Rectangle

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



33.3612, 0.2180, 0.2991



33.3612, 0.2263, 0.2465



33.3612, 0.4176, 0.3443



33.3612, 0.4033, 0.4101

Sweetspot

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



33.3624, 0.2180, 0.2991



79.0177, 0.2725, 0.3211



37.0878, 0.2972, 0.5801



17.0211, 0.2679, 0.3200



97.7402, 0.3127, 0.3290



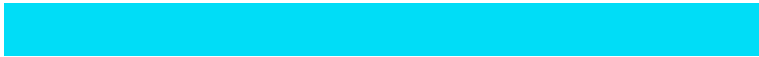
20.4902, 0.3127, 0.3290

Same Dimension

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



33.3624, 0.2180, 0.2991



58.6172, 0.2153, 0.2949



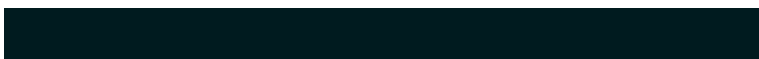
10.7512, 0.1762, 0.1456



10.6333, 0.2985, 0.3265



21.6578, 0.2156, 0.2960



0.8982, 0.2179, 0.3045

Inverse Universe

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



14.3941, 0.3459, 0.1722



25.0752, 0.3499, 0.1701



24.8250, 0.4958, 0.4354



9.6785, 0.3153, 0.3087



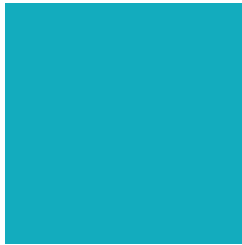
9.2161, 0.3490, 0.1696



0.3660, 0.3414, 0.1655

Previews

White Background



This preview shows how the Yxy color 33.3612, 0.2180, 0.2991 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 33.3612, 0.2180, 0.2991 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

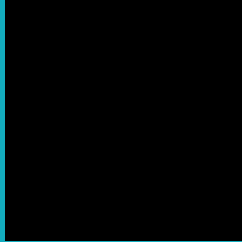
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.3612, 0.2180, 0.2991

Background



This preview shows how black text looks on a background with the Yxy color 33.3612, 0.2180, 0.2991.

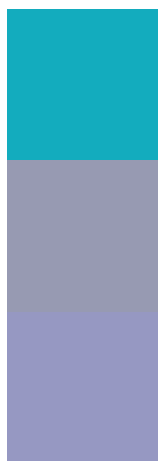


This preview shows how white text looks on a background with the Yxy color 33.3612, 0.2180, 0.2991.

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

33.3612, 0.2180, 0.2991

Protanopia

32.9049, 0.2888, 0.2937

Deuteranopia

32.8355, 0.2750, 0.2692



Tritanopia

33.5202, 0.2187, 0.3055

Trichromacy



Original Color

33.3612, 0.2180, 0.2991



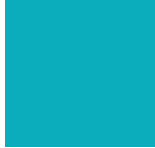
Protanomaly

31.7507, 0.2491, 0.2953



Deuteranomaly

31.4713, 0.2411, 0.2759



Tritanomaly

33.5891, 0.2186, 0.3039

Monochromacy



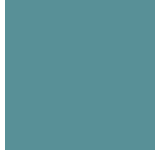
Original Color

33.3612, 0.2180, 0.2991



Achromatopsia

21.5861, 0.3127, 0.3290



Achromatomaly

24.2556, 0.2551, 0.3160

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.3612, 0.2180, 0.2991 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(19, 172, 190)` looks like.

```
.text, #text, p{  
    color:rgb(19, 172, 190)  
}
```

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(19, 172, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 172, 190) }
```

Border

The CSS property to change the border of an element to Yxy 33.3612, 0.2180, 0.2991 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(19, 172, 190) }
```

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

```
.border{ border-color:rgb(19, 172, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(19, 172, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(19, 172, 190); -webkit-box-shadow:4px 4px 4px 4px rgb(19, 172, 190); box-shadow:4px 4px 4px 4px rgb(19, 172, 190) }
```


Background

The CSS property to change the background color of an element to Yxy 33.3612, 0.2180, 0.2991 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 172, 190) }
```

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

```
.background{ background-color: rgb(19, 172,  
190) }
```

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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