

Converting Colors

$Yxy(37.2924, 0.2169, 0.2933)$

Have a look what the booklet for
Yxy(37.2924, 0.2169, 0.2933)
contains.

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Color

Yxy(37.1610, 0.2167, 0.2929)

Conversions

Conversions Part 1

Format	Color
Hex	19B4CB
RGB	25, 180, 203
RGB Percent	10%, 71%, 80%
CMY	0.9035, 0.2941, 0.2040
CMYK	0.88, 0.11, 0.00, 0.20
HSL	188°, 78%, 45%
HSV	188°, 88%, 80%
XYZ	27.4933, 37.1610, 62.2183
YIQ	136.2770, -99.7630, -25.7070

Conversions

Conversions Part 2

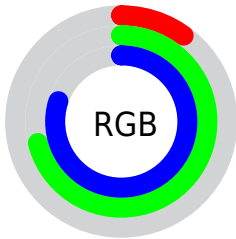
Format	Color
R _Y B	25, 108, 203
Decimal	1684683
CIE Lab	67.40, -28.80, -22.18
CIE LCh	67, 36.348, 217.597
Yxy	37.1610, 0.2167, 0.2929
Android (android.graphics.Color)	4279874763 (0xFF19B4CB)
YUV	136.2770, 32.8944, -97.5899
Hunter-Lab	60.9598, -26.1749, -17.8422

Details

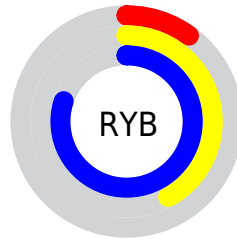
The Yxy color **37.1610, 0.2167, 0.2929** is a dark color, and the websafe version is hex **66CCCC**. The color can be described as middle washed azure. A complement of this color would be **14.8440, 0.5997, 0.3445**, and the grayscale version is **24.5891, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.3991, 0.2358, 0.3061**, and **17.3487, 0.2118, 0.2823** is the 20% darker color. If you saturate the color by 10%, you get **35.9425, 0.2137, 0.2884**, and if you desaturate by 10%, it is **38.5822, 0.2213, 0.2974**.

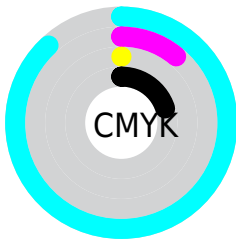
Distribution



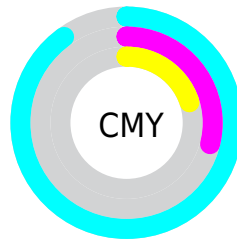
- Red (10%)
- Green (71%)
- Blue (80%)



- Red (10%)
- Yellow (42%)
- Blue (80%)



- Cyan (88%)
- Magenta (11%)
- Yellow (0%)
- Black (20%)





- Cyan (90%)
- Magenta (29%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.1610, 0.2167, 0.2929 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 37.1610, 0.2167, 0.2929 by changing the saturation by 10% instead.

 37.1610, 0.2167,
0.2929


 37.1610, 0.2167,
0.2929


334.0070, 0.2645,
0.3131

 25.3322, 0.2050,
0.2873


 70.8203, 0.2339,
0.3007

 16.3247, 0.1903,
0.2797


 93.4196, 0.2404,
0.3035


 9.7542, 0.1712,
0.2690


 120.3779, 0.2459,
0.3058

 5.2363, 0.1458,
0.2533

 152.0794, 0.2507,
0.3077

 2.3866, 0.1111,
0.2283

 188.9088, 0.2548,
0.3093

 0.8190, 0.0179,
0.1941

231.2502, 0.2584,

 0.0000, 0.0000,

0.3108

0.0000

279.4882, 0.2616,
0.3120

■ 37.1610, 0.2167,
0.2929

■ 37.1610, 0.2167,
0.2929

■ 35.9425, 0.2137,
0.2884

■ 38.5822, 0.2213,
0.2974

■ 35.6953, 0.2132,
0.2875

■ 40.2431, 0.2279,
0.3019

■ 42.1732, 0.2363,
0.3064

■ 44.3966, 0.2466,
0.3109

■ 46.9344, 0.2584,
0.3151

■ 49.8059, 0.2715,
0.3191

■ 53.0285, 0.2857,
0.3229

■ 56.6186, 0.3006,
0.3264

■ 60.5913, 0.3160,
0.3297

Harmonies

Analogous

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



37.1610, 0.2392, 0.3455



37.1610, 0.2167, 0.2929



37.1610, 0.2172, 0.2571

Triad

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



37.1610, 0.2167, 0.2929



37.1610, 0.3379, 0.2719



37.1610, 0.3850, 0.4217

Complementary

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



37.1610, 0.2167, 0.2929



14.8440, 0.5997, 0.3445

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.



37.1610, 0.4168, 0.3915



37.1610, 0.2167, 0.2929



37.1610, 0.3896, 0.3078

Square

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



37.1610, 0.2167, 0.2929



37.1610, 0.2829, 0.2487



37.1610, 0.4193, 0.3501



37.1610, 0.3353, 0.4270

Rectangle

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



37.1610, 0.2167, 0.2929



37.1610, 0.2301, 0.2452



37.1610, 0.4193, 0.3501



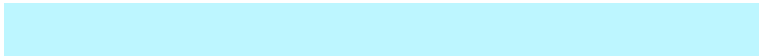
37.1610, 0.3982, 0.4137

Sweetspot

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



37.1623, 0.2167, 0.2929



84.1925, 0.2737, 0.3197



43.1028, 0.2963, 0.5747



17.6386, 0.2689, 0.3184



0.0000, 0.0000, 0.0000



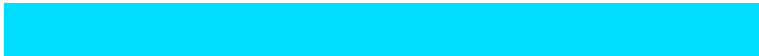
21.4041, 0.3127, 0.3290

Same Dimension

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



37.1623, 0.2167, 0.2929



59.5453, 0.2130, 0.2869



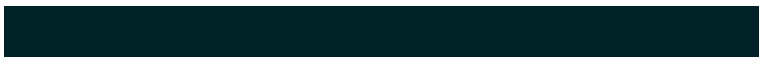
12.3399, 0.1764, 0.1443



12.4709, 0.2983, 0.3259



22.8123, 0.2134, 0.2881



1.2473, 0.2158, 0.2968

Inverse Universe

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



16.6700, 0.3513, 0.1763



26.5423, 0.3571, 0.1741



29.9838, 0.4890, 0.4389



11.3779, 0.3157, 0.3090



10.1059, 0.3560, 0.1735



0.5285, 0.3482, 0.1692

Previews

White Background



This preview shows how the Yxy color 37.1610, 0.2167, 0.2929 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 37.1610, 0.2167, 0.2929 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

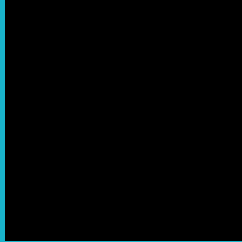
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.1610, 0.2167, 0.2929

Background



This preview shows how black text looks on a background with the Yxy color 37.1610, 0.2167, 0.2929.



This preview shows how white text looks on a background with the Yxy color 37.1610, 0.2167, 0.2929.

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

37.1610, 0.2167, 0.2929

Protanopia

36.7265, 0.2850, 0.2898

Deuteranopia

36.6642, 0.2698, 0.2639



Tritanopia

37.0333, 0.2180, 0.3048

Trichromacy



Original Color

37.1610, 0.2167, 0.2929



Protanomaly

35.5673, 0.2471, 0.2896



Deuteranomaly

35.2818, 0.2396, 0.2714



Tritanomaly

37.2293, 0.2173, 0.3003

Monochromacy



Original Color

37.1610, 0.2167, 0.2929



Achromatopsia

24.6201, 0.3127, 0.3290



Achromatomaly

27.4274, 0.2560, 0.3149

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.1610, 0.2167, 0.2929 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(25, 180, 203)` looks like.

```
.text, #text, p{  
    color:rgb(25, 180, 203)  
}
```

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(25, 180, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(25, 180, 203) }
```

Border

The CSS property to change the border of an element to Yxy 37.1610, 0.2167, 0.2929 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(25, 180, 203) }
```

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

```
.border{ border-color:rgb(25, 180, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(25, 180, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(25, 180, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(25, 180, 203);  
box-shadow:4px 4px 4px 4px rgb(25, 180,  
203) }
```


Background

The CSS property to change the background color of an element to Yxy 37.1610, 0.2167, 0.2929 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(25, 180, 203) }
```

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

```
.background{ background-color: rgb(25, 180,  
203) }
```

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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