

Converting Colors

$Y_{xy}(30.4036, 0.2141, 0.2836)$

Have a look what the booklet for
Yxy(30.4036, 0.2141, 0.2836)
contains.

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Color

Yxy(30.4831, 0.2141, 0.2837)

Conversions

Conversions Part 1

Format	Color
Hex	16A4BF
RGB	22, 164, 191
RGB Percent	9%, 64%, 75%
CMY	0.9150, 0.3568, 0.2510
CMYK	0.89, 0.14, 0.00, 0.25
HSL	190°, 80%, 42%
HSV	190°, 89%, 75%
XYZ	23.0047, 30.4831, 53.9606
YIQ	124.6200, -93.2990, -21.7070

Conversions

Conversions Part 2

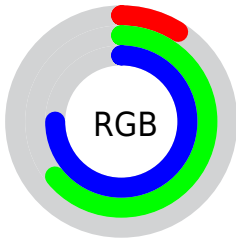
Format	Color
R _Y B	22, 99, 191
Decimal	1483967
CIE Lab	62.07, -24.90, -23.67
CIE LCh	62, 34.358, 223.544
Yxy	30.4831, 0.2141, 0.2837
Android (android.graphics.Color)	4279674047 (0xFF16A4BF)
YUV	124.6200, 32.7253, -89.9977
Hunter-Lab	55.2115, -22.2454, -19.2986

Details

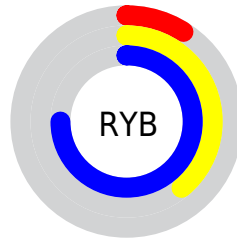
The Yxy color **30.4831, 0.2141, 0.2837** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **13.3023, 0.5957, 0.3489**, and the grayscale version is **20.2551, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.2620, 0.2326, 0.2938**, and **13.4233, 0.2081, 0.2690** is the 20% darker color. If you saturate the color by 10%, you get **29.2571, 0.2108, 0.2781**, and if you desaturate by 10%, it is **31.8870, 0.2191, 0.2894**.

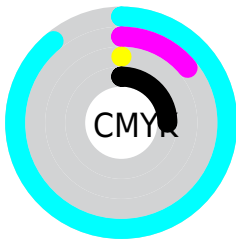
Distribution



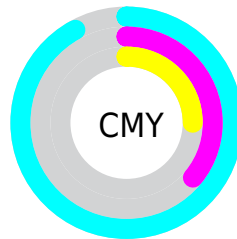
- Red (9%)
- Green (64%)
- Blue (75%)



- Red (9%)
- Yellow (39%)
- Blue (75%)



- Cyan (89%)
- Magenta (14%)
- Yellow (0%)
- Black (25%)





- Cyan (92%)
- Magenta (36%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.4831, 0.2141, 0.2837 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 30.4831, 0.2141, 0.2837 by changing the saturation by 10% instead.


 30.4831, 0.2141,
0.2837


 30.4831, 0.2141,
0.2837


304.1498, 0.2646,
0.3092


 20.2056, 0.2013,
0.2764


 60.4253, 0.2326,
0.2937


 12.5446, 0.1850,
0.2665

 80.8588, 0.2395,
0.2972


 7.1157, 0.1634,
0.2525


 105.4464, 0.2454,
0.3001

 3.5346, 0.1342,
0.2313

 134.5725, 0.2504,
0.3025

 1.4168, 0.0923,
0.1975

 168.6215, 0.2547,
0.3046

 0.2290, 0.0000,
0.0927

207.9778, 0.2584,

 0.0000, 0.0000,

0.3064

0.0000

253.0258, 0.2617,
0.3079

■ 30.4831, 0.2141,
0.2837

■ 30.4831, 0.2141,
0.2837

■ 29.2571, 0.2108,
0.2781

■ 31.8870, 0.2191,
0.2894

■ 29.0966, 0.2104,
0.2773

■ 33.5062, 0.2259,
0.2950

■ 35.3663, 0.2346,
0.3007

■ 37.4883, 0.2451,
0.3062

■ 39.8906, 0.2571,
0.3115

■ 42.5899, 0.2704,
0.3165

■ 45.6016, 0.2846,
0.3212

■ 48.9397, 0.2995,
0.3255

■ 52.6175, 0.3148,
0.3295

Harmonies

Analogous

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



30.4831, 0.2323, 0.3344



30.4831, 0.2141, 0.2837



30.4831, 0.2192, 0.2519

Triad

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



30.4831, 0.2141, 0.2837



30.4831, 0.3494, 0.2777



30.4831, 0.3767, 0.4261

Complementary

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



30.4831, 0.2141, 0.2837



13.3023, 0.5957, 0.3489

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.



30.4831, 0.4134, 0.3993



30.4831, 0.2141, 0.2837



30.4831, 0.3986, 0.3157

Square

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



30.4831, 0.2141, 0.2837



30.4831, 0.2930, 0.2514



30.4831, 0.4225, 0.3588



30.4831, 0.3245, 0.4250

Rectangle

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



30.4831, 0.2141, 0.2837



30.4831, 0.2351, 0.2427



30.4831, 0.4225, 0.3588



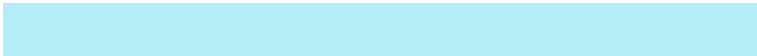
30.4831, 0.3913, 0.4196

Sweetspot

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



30.4842, 0.2141, 0.2837



76.9063, 0.2721, 0.3171



37.6342, 0.2948, 0.5699



16.5023, 0.2673, 0.3154



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.



30.4842, 0.2141, 0.2837



51.8126, 0.2101, 0.2765



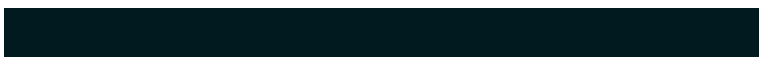
9.8054, 0.1735, 0.1343



10.5435, 0.2985, 0.3253



19.2200, 0.2106, 0.2781



0.8234, 0.2143, 0.2915

Inverse Universe

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



14.3190, 0.3595, 0.1808



24.3883, 0.3667, 0.1794



27.5650, 0.4821, 0.4453



9.6694, 0.3161, 0.3099



8.9700, 0.3652, 0.1786



0.3585, 0.3530, 0.1718

Previews

White Background



This preview shows how the Yxy color 30.4831, 0.2141, 0.2837 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 30.4831, 0.2141, 0.2837 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

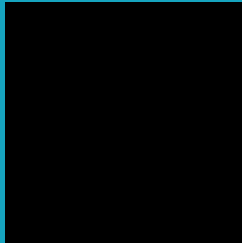
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.4831, 0.2141, 0.2837

Background



This preview shows how black text looks on a background with the Yxy color 30.4831, 0.2141, 0.2837.

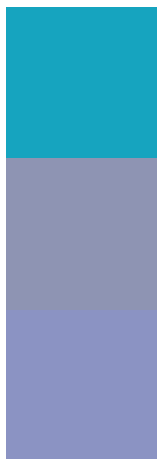


This preview shows how white text looks on a background with the Yxy color 30.4831, 0.2141, 0.2837.

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

30.4831, 0.2141, 0.2837

Protanopia

30.1853, 0.2794, 0.2822

Deuteranopia

30.2965, 0.2642, 0.2588



Tritanopia

30.5271, 0.2184, 0.3062

Trichromacy



Original Color

30.4831, 0.2141, 0.2837



Protanomaly

29.1268, 0.2432, 0.2818



Deuteranomaly

29.1643, 0.2350, 0.2641



Tritanomaly

30.3808, 0.2167, 0.2979

Monochromacy



Original Color

30.4831, 0.2141, 0.2837



Achromatopsia

20.5079, 0.3127, 0.3290



Achromatomaly

22.6614, 0.2544, 0.3101

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.4831, 0.2141, 0.2837 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(22, 164, 191)` looks like.

```
.text, #text, p{  
    color:rgb(22, 164, 191)  
}
```

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(22, 164, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(22, 164, 191) }
```

Border

The CSS property to change the border of an element to Yxy 30.4831, 0.2141, 0.2837 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(22, 164, 191) }
```

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

```
.border{ border-color:rgb(22, 164, 191) }
```

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

Here you see how a box with a 4 pixel rgb(22, 164, 191) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(22, 164, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(22, 164, 191);  
box-shadow:4px 4px 4px 4px rgb(22, 164,  
191) }
```


Background

The CSS property to change the background color of an element to Yxy 30.4831, 0.2141, 0.2837 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(22, 164, 191) }
```

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

```
.background{ background-color: rgb(22, 164,  
191) }
```

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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