

Converting Colors

$Y_{xy}(29.7435, 0.2177, 0.2961)$

Have a look what the booklet for
Yxy(29.7435, 0.2177, 0.2961)
contains.

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Color

$\text{Yxy}(29.7424, 0.2177, 0.2961)$

Conversions

Conversions Part 1

Format	Color
Hex	16A3B6
RGB	22, 163, 182
RGB Percent	9%, 64%, 71%
CMY	0.9144, 0.3607, 0.2863
CMYK	0.88, 0.10, 0.00, 0.29
HSL	187°, 79%, 40%
HSV	187°, 88%, 71%
XYZ	21.8673, 29.7424, 48.8374
YIQ	123.0070, -90.1350, -23.9830

Conversions

Conversions Part 2

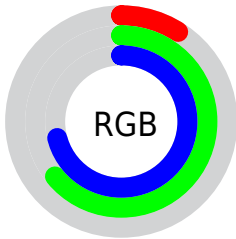
Format	Color
R_{YB}	22, 97, 182
Decimal	1483702
CIE _{Lab}	61.43, -27.38, -19.59
CIE _{LCh}	61, 33.667, 215.588
Yxy	29.7424, 0.2177, 0.2961
Android (android.graphics.Color)	4279673782 (0xFF16A3B6)
YUV	123.0070, 29.0835, -88.5831
Hunter-Lab	54.5366, -23.8665, -14.9185

Details

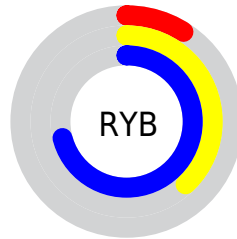
The Yxy color **29.7424, 0.2177, 0.2961** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **11.5732, 0.5998, 0.3433**, and the grayscale version is **19.7175, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.1406, 0.2358, 0.3033**, and **12.9539, 0.2127, 0.2856** is the 20% darker color. If you saturate the color by 10%, you get **28.8389, 0.2148, 0.2921**, and if you desaturate by 10%, it is **30.7989, 0.2223, 0.3002**.

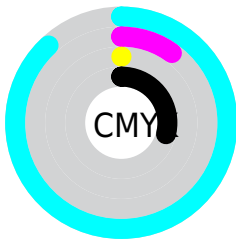
Distribution



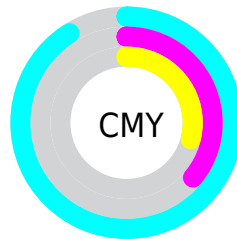
- Red (9%)
- Green (64%)
- Blue (71%)



- Red (9%)
- Yellow (38%)
- Blue (71%)



- Cyan (88%)
- Magenta (10%)
- Yellow (0%)
- Black (29%)




- Cyan (91%)
- Magenta (36%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.7424, 0.2177, 0.2961 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 29.7424, 0.2177, 0.2961 by changing the saturation by 10% instead.


 29.7424, 0.2177,
0.2961

 29.7424, 0.2177,
0.2961


300.7019, 0.2668,
0.3152

 19.6431, 0.2051,
0.2904


 59.2546, 0.2358,
0.3037

 12.1359, 0.1889,
0.2825


 79.4363, 0.2426,
0.3064

 6.8363, 0.1673,
0.2709


 103.7476, 0.2482,
0.3086

 3.3599, 0.1375,
0.2528

 132.5728, 0.2530,
0.3103

 1.3224, 0.0901,
0.2230

 166.2965, 0.2572,
0.3119

 0.1585, 0.0000,
0.0869

205.3030, 0.2608,

 0.0000, 0.0000,

0.3132

0.0000

249.9766, 0.2640,
0.3143

■ 29.7424, 0.2177,
0.2961

■ 29.7424, 0.2177,
0.2961

■ 28.8389, 0.2148,
0.2921

■ 30.7989, 0.2223,
0.3002

■ 28.6658, 0.2142,
0.2912

■ 32.0390, 0.2287,
0.3043

■ 33.4854, 0.2370,
0.3084

■ 35.1561, 0.2471,
0.3124

■ 37.0675, 0.2587,
0.3163

■ 39.2341, 0.2717,
0.3200

■ 41.6695, 0.2858,
0.3234

■ 44.3859, 0.3005,
0.3266

■ 47.3951, 0.3158,
0.3296

Harmonies

Analogous

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



29.7424, 0.2417, 0.3493



29.7424, 0.2177, 0.2961



29.7424, 0.2167, 0.2590

Triad

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



29.7424, 0.2177, 0.2961



29.7424, 0.3341, 0.2700



29.7424, 0.3877, 0.4201

Complementary

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



29.7424, 0.2177, 0.2961



11.5732, 0.5998, 0.3433

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.



29.7424, 0.4177, 0.3888



29.7424, 0.2177, 0.2961



29.7424, 0.3865, 0.3052

Square

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



29.7424, 0.2177, 0.2961



29.7424, 0.2796, 0.2479



29.7424, 0.4180, 0.3472



29.7424, 0.3388, 0.4274

Rectangle

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



29.7424, 0.2177, 0.2961



29.7424, 0.2286, 0.2462



29.7424, 0.4180, 0.3472



29.7424, 0.4004, 0.4116

Sweetspot

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



29.7435, 0.2177, 0.2961



71.8008, 0.2739, 0.3205



33.7764, 0.2963, 0.5737



15.5414, 0.2692, 0.3193



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



29.7435, 0.2177, 0.2961



51.7484, 0.2141, 0.2906



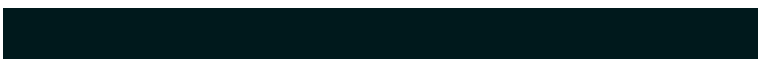
9.7658, 0.1769, 0.1454



10.0240, 0.2985, 0.3262



20.3101, 0.2144, 0.2917



0.7677, 0.2173, 0.3022

Inverse Universe

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



13.1555, 0.3484, 0.1750



22.6363, 0.3538, 0.1723



23.5767, 0.4881, 0.4389



9.1439, 0.3155, 0.3091



8.8327, 0.3528, 0.1717



0.3166, 0.3435, 0.1666

Previews

White Background



This preview shows how the Yxy color 29.7424, 0.2177, 0.2961 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 29.7424, 0.2177, 0.2961 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

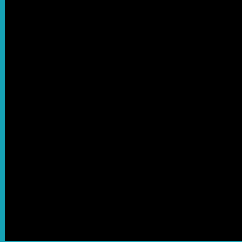
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.7424, 0.2177, 0.2961

Background



This preview shows how black text looks on a background with the Yxy color 29.7424, 0.2177, 0.2961.



This preview shows how white text looks on a background with the Yxy color 29.7424, 0.2177, 0.2961.

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

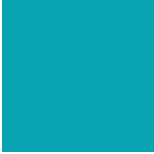
29.7424, 0.2177, 0.2961

Protanopia

29.3377, 0.2868, 0.2906

Deuteranopia

29.4587, 0.2725, 0.2678



Tritanopia

29.7769, 0.2190, 0.3060

Trichromacy



Original Color

29.7424, 0.2177, 0.2961



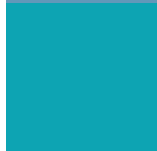
Protanomaly

28.2043, 0.2485, 0.2906



Deuteranomaly

28.5559, 0.2414, 0.2754



Tritanomaly

29.8912, 0.2185, 0.3027

Monochromacy



Original Color

29.7424, 0.2177, 0.2961



Achromatopsia

19.8069, 0.3127, 0.3290



Achromatomaly

22.1690, 0.2571, 0.3174

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.7424, 0.2177, 0.2961 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, 163, 182)` looks like.

```
.text, #text, p{  
    color:rgb(22, 163, 182)  
}
```

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, 163, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(22, 163, 182) }
```

Border

The CSS property to change the border of an element to Yxy 29.7424, 0.2177, 0.2961 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, 163, 182) }
```

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

```
.border{ border-color:rgb(22, 163, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(22, 163, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(22, 163, 182); -webkit-box-shadow:4px 4px 4px 4px rgb(22, 163, 182); box-shadow:4px 4px 4px 4px rgb(22, 163, 182) }
```


Background

The CSS property to change the background color of an element to Yxy 29.7424, 0.2177, 0.2961 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(22, 163, 182) }
```

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

```
.background{ background-color: rgb(22, 163,  
182) }
```

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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