

Converting Colors

$Y_{xy}(29.7210, 0.2173, 0.2804)$

Have a look what the booklet for
Yxy(29.7210, 0.2173, 0.2804)
contains.

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Color

Yxy(29.7210, 0.2173, 0.2804)

Conversions

Conversions Part 1

Format	Color
Hex	2BA1BE
RGB	43, 161, 190
RGB Percent	17%, 63%, 75%
CMY	0.8317, 0.3686, 0.2549
CMYK	0.77, 0.15, 0.00, 0.25
HSL	192°, 63%, 46%
HSV	192°, 77%, 75%
XYZ	23.0327, 29.7210, 53.2413
YIQ	129.0240, -79.6370, -15.9970

Conversions

Conversions Part 2

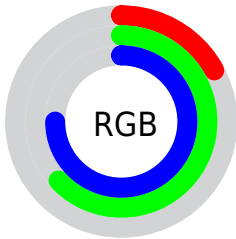
Format	Color
R_{YB}	43, 108, 190
Decimal	2859454
CIE _{Lab}	61.41, -21.95, -24.09
CIE _{LCh}	61, 32.594, 227.667
Yxy	29.7210, 0.2173, 0.2804
Android (android.graphics.Color)	4281049534 (0xFF2BA1BE)
YUV	129.0240, 30.0612, -75.4430
Hunter-Lab	54.5170, -19.9908, -19.7408

Details

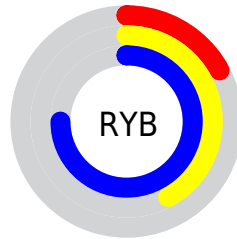
The Yxy color **29.7210, 0.2173, 0.2804** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **15.7447, 0.5478, 0.3596**, and the grayscale version is **21.8673, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.2103, 0.2356, 0.2914**, and **12.7434, 0.2066, 0.2637** is the 20% darker color. If you saturate the color by 10%, you get **28.1137, 0.2116, 0.2733**, and if you desaturate by 10%, it is **31.5607, 0.2249, 0.2875**.

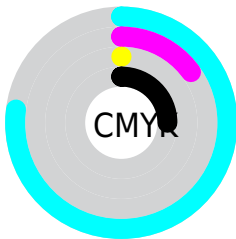
Distribution



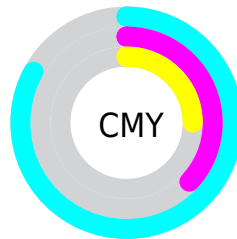
- Red (17%)
- Green (63%)
- Blue (75%)



- Red (17%)
- Yellow (42%)
- Blue (75%)



- Cyan (77%)
- Magenta (15%)
- Yellow (0%)
- Black (25%)





- Cyan (83%)
- Magenta (37%)
- Yellow (25%)


Brightness & Saturation Gradients

These gradients show how the Yxy color 29.7210, 0.2173, 0.2804 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 29.7210, 0.2173, 0.2804 by changing the saturation by 10% instead.


 29.7210, 0.2173,
0.2804


 29.7210, 0.2173,
0.2804


 300.6018, 0.2665,
0.3076


 19.6269, 0.2048,
0.2727


 59.2207, 0.2354,
0.2910


 12.1241, 0.1887,
0.2623


 79.3951, 0.2421,
0.2947

 6.8283, 0.1673,
0.2476


 103.6983, 0.2478,
0.2978

 3.3549, 0.1382,
0.2255

 132.5149, 0.2526,
0.3004

 1.3197, 0.0960,
0.1904

 166.2291, 0.2568,
0.3026

 0.1564, 0.0000,
0.0676

 205.2254, 0.2604,

 0.0000, 0.0000,

0.3045

0.0000

249.8882, 0.2636,
0.3061

■ 29.7210, 0.2173,
0.2804

■ 29.7210, 0.2173,
0.2804

■ 28.1137, 0.2116,
0.2733

■ 31.5607, 0.2249,
0.2875

■ 26.7014, 0.2077,
0.2662

■ 33.6534, 0.2344,
0.2946

■ 26.3529, 0.2068,
0.2644

■ 36.0208, 0.2456,
0.3015

■ 38.6809, 0.2581,
0.3080

■ 41.6502, 0.2718,
0.3142

■ 44.9439, 0.2864,
0.3200

■ 48.5759, 0.3014,
0.3254

■ 52.5592, 0.3167,
0.3302

■ 56.9064, 0.3319,
0.3346

Harmonies

Analogous

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



29.7210, 0.2318, 0.3270



29.7210, 0.2173, 0.2804



29.7210, 0.2252, 0.2525

Triad

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



29.7210, 0.2173, 0.2804



29.7210, 0.3552, 0.2843



29.7210, 0.3679, 0.4237

Complementary

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



29.7210, 0.2173, 0.2804



15.7447, 0.5478, 0.3596

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.



29.7210, 0.4058, 0.4013



29.7210, 0.2173, 0.2804



29.7210, 0.3997, 0.3220

Square

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



29.7210, 0.2173, 0.2804



29.7210, 0.3011, 0.2570



29.7210, 0.4184, 0.3637



29.7210, 0.3170, 0.4177

Rectangle

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



29.7210, 0.2173, 0.2804



29.7210, 0.2425, 0.2454



29.7210, 0.4184, 0.3637



29.7210, 0.3827, 0.4188

Sweetspot

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



29.7221, 0.2173, 0.2804



77.8118, 0.2776, 0.3166



37.7821, 0.2918, 0.5376



16.6205, 0.2724, 0.3145



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.



29.7221, 0.2173, 0.2804



49.1003, 0.2087, 0.2682



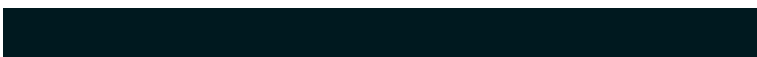
11.4563, 0.1840, 0.1516



10.4812, 0.2985, 0.3244



17.6332, 0.2070, 0.2653



0.7737, 0.2117, 0.2822

Inverse Universe

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



15.2427, 0.3615, 0.1931



24.5128, 0.3742, 0.1859



30.8949, 0.4572, 0.4476



9.6632, 0.3167, 0.3108



8.8098, 0.3773, 0.1852



0.3535, 0.3614, 0.1765

Previews

White Background



This preview shows how the Yxy color 29.7210, 0.2173, 0.2804 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 29.7210, 0.2173, 0.2804 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

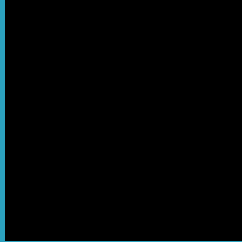
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.7210, 0.2173, 0.2804

Background



This preview shows how black text looks on a background with the Yxy color 29.7210, 0.2173, 0.2804.

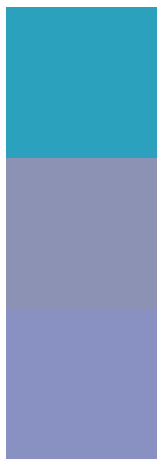


This preview shows how white text looks on a background with the Yxy color 29.7210, 0.2173, 0.2804.

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

29.7210, 0.2173, 0.2804

Protanopia

29.3879, 0.2773, 0.2788

Deuteranopia

29.3801, 0.2621, 0.2565



Tritanopia

29.6299, 0.2213, 0.3044

Trichromacy



Original Color

29.7210, 0.2173, 0.2804

Protanomaly

28.5554, 0.2471, 0.2773

Deuteranomaly

28.8083, 0.2388, 0.2628

Tritanomaly

29.5581, 0.2194, 0.2945

Monochromacy



Original Color

29.7210, 0.2173, 0.2804

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

23.8808, 0.2622, 0.3107

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.7210, 0.2173, 0.2804 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(43, 161, 190)` looks like.

```
.text, #text, p{  
    color:rgb(43, 161, 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(43, 161, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 161, 190) }
```

Border

The CSS property to change the border of an element to Yxy 29.7210, 0.2173, 0.2804 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(43, 161, 190) }
```

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

```
.border{ border-color:rgb(43, 161, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(43, 161, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 161, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 161, 190);  
box-shadow:4px 4px 4px 4px rgb(43, 161,  
190) }
```


Background

The CSS property to change the background color of an element to Yxy 29.7210, 0.2173, 0.2804 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 161, 190) }
```

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

```
.background{ background-color: rgb(43, 161,  
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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