

Converting Colors

$Y_{xy}(30.7301, 0.2176, 0.2708)$

Have a look what the booklet for
Yxy(30.7301, 0.2176, 0.2708)
contains.

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Color

Yxy(30.7301, 0.2176, 0.2708)

Conversions

Conversions Part 1

Format	Color
Hex	37A2C6
RGB	55, 162, 198
RGB Percent	22%, 64%, 78%
CMY	0.7839, 0.3647, 0.2235
CMYK	0.72, 0.18, 0.00, 0.22
HSL	195°, 56%, 50%
HSV	195°, 72%, 78%
XYZ	24.6930, 30.7301, 58.0558
YIQ	134.1110, -75.3280, -11.4880

Conversions

Conversions Part 2

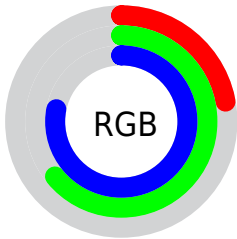
Format	Color
RYB	55, 116, 198
Decimal	3646150
CIELab	62.28, -18.37, -27.21
CIElCh	62, 32.832, 235.983
Yxy	30.7301, 0.2176, 0.2708
Android (android.graphics.Color)	4281836230 (0xFF37A2C6)
YUV	134.1110, 31.4973, -69.3803
Hunter-Lab	55.4347, -17.4992, -23.2891

Details

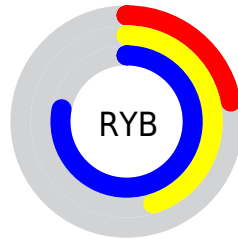
The Yxy color **30.7301, 0.2176, 0.2708** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle muted azure. A complement of this color would be **19.7851, 0.5183, 0.3698**, and the grayscale version is **23.7973, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.8388, 0.2352, 0.2828**, and **13.1655, 0.2035, 0.2525** is the 20% darker color. If you saturate the color by 10%, you get **28.5556, 0.2101, 0.2614**, and if you desaturate by 10%, it is **33.2009, 0.2270, 0.2801**.

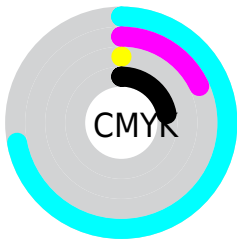
Distribution



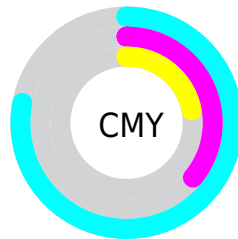
- Red (22%)
- Green (64%)
- Blue (78%)



- Red (22%)
- Yellow (45%)
- Blue (78%)



- Cyan (72%)
- Magenta (18%)
- Yellow (0%)
- Black (22%)



- Cyan (78%)
- Magenta (36%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 30.7301, 0.2176, 0.2708 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 30.7301, 0.2176, 0.2708 by changing the saturation by 10% instead.

■ 30.7301, 0.2176,
0.2708

■ 30.7301, 0.2176,
0.2708

■ 305.2930, 0.2663,
0.3026

■ 20.3934, 0.2053,
0.2621

■ 60.8149, 0.2354,
0.2829

■ 12.6813, 0.1896,
0.2505

■ 81.3318, 0.2421,
0.2873

■ 7.2095, 0.1689,
0.2345

■ 106.0109, 0.2477,
0.2910

■ 3.5935, 0.1409,
0.2112

■ 135.2365, 0.2525,
0.2940

■ 1.4489, 0.1021,
0.1754

■ 169.3932, 0.2567,
0.2966

■ 0.2523, 0.0000,
0.0838

208.8652, 0.2603,

■ 0.0000, 0.0000,

0.2989

0.0000

254.0370, 0.2635,
0.3009

■ 30.7301, 0.2176,
0.2708

■ 30.7301, 0.2176,
0.2708

■ 28.5556, 0.2101,
0.2614

■ 33.2009, 0.2270,
0.2801

■ 26.6446, 0.2046,
0.2521

■ 35.9894, 0.2381,
0.2892

■ 25.2905, 0.2013,
0.2448

■ 39.1184, 0.2507,
0.2980

■ 42.6073, 0.2645,
0.3063

■ 46.4739, 0.2791,
0.3140

■ 50.7345, 0.2941,
0.3212

■ 55.4046, 0.3094,
0.3277

■ 60.4985, 0.3246,
0.3335

■ 66.0299, 0.3396,
0.3388

Harmonies

Analogous

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



30.7301, 0.2259, 0.3127



30.7301, 0.2176, 0.2708



30.7301, 0.2316, 0.2487

Triad

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



30.7301, 0.2176, 0.2708



30.7301, 0.3691, 0.2941



30.7301, 0.3544, 0.4249

Complementary

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



30.7301, 0.2176, 0.2708



19.7851, 0.5183, 0.3698

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.



30.7301, 0.3971, 0.4093



30.7301, 0.2176, 0.2708



30.7301, 0.4076, 0.3335

Square

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



30.7301, 0.2176, 0.2708



30.7301, 0.3160, 0.2634



30.7301, 0.4176, 0.3748



30.7301, 0.3026, 0.4097

Rectangle

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



30.7301, 0.2176, 0.2708



30.7301, 0.2525, 0.2454



30.7301, 0.4176, 0.3748



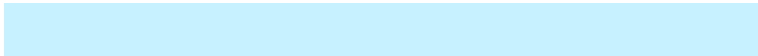
30.7301, 0.3703, 0.4227

Sweetspot

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



30.7312, 0.2176, 0.2708



82.1782, 0.2788, 0.3139



41.9562, 0.2874, 0.5096



17.1722, 0.2747, 0.3118



0.0000, 0.0000, 0.0000



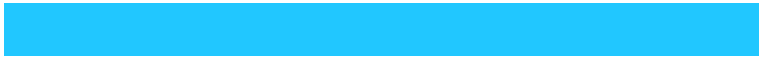
21.4041, 0.3127, 0.3290

Same Dimension

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



30.7312, 0.2176, 0.2708



48.4370, 0.2065, 0.2557



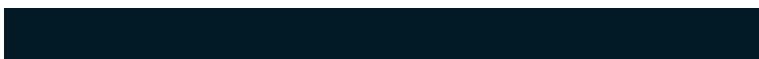
12.3464, 0.1871, 0.1490



11.5974, 0.2984, 0.3230



16.5891, 0.2017, 0.2461



0.8959, 0.2071, 0.2654

Inverse Universe

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



17.3572, 0.3693, 0.2056



26.4841, 0.3858, 0.1961



38.2215, 0.4387, 0.4538



10.7692, 0.3175, 0.3119



9.2147, 0.3962, 0.1956



0.4475, 0.3772, 0.1852

Previews

White Background



This preview shows how the Yxy color 30.7301, 0.2176, 0.2708 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 30.7301, 0.2176, 0.2708 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

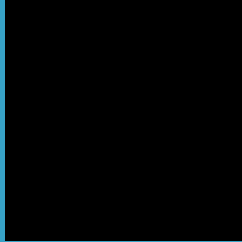
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.7301, 0.2176, 0.2708

Background



This preview shows how black text looks on a background with the Yxy color 30.7301, 0.2176, 0.2708.



This preview shows how white text looks on a background with the Yxy color 30.7301, 0.2176, 0.2708.

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

30.7301, 0.2176, 0.2708

Protanopia

30.3861, 0.2705, 0.2696

Deuteranopia

30.2354, 0.2566, 0.2506



Tritanopia

30.6364, 0.2239, 0.3048

Trichromacy



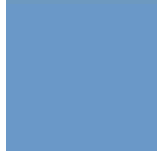
Original Color

30.7301, 0.2176, 0.2708



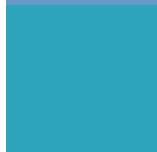
Protanomaly

29.8394, 0.2446, 0.2682



Deuteranomaly

29.6908, 0.2375, 0.2555



Tritanomaly

30.6769, 0.2214, 0.2919

Monochromacy



Original Color

30.7301, 0.2176, 0.2708



Achromatopsia

23.8398, 0.3127, 0.3290



Achromatomaly

25.3841, 0.2639, 0.3062

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.7301, 0.2176, 0.2708 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(55, 162, 198)` looks like.

```
.text, #text, p{  
    color:rgb(55, 162, 198)  
}
```

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(55, 162, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 162, 198) }
```

Border

The CSS property to change the border of an element to Yxy 30.7301, 0.2176, 0.2708 is called "border". The border property can be set on classes, ids or directly on the HTML element.

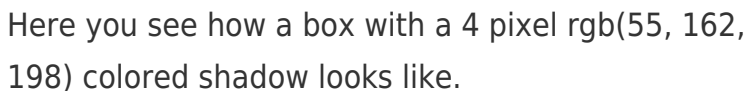
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(55, 162, 198) }
```

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

```
.border{ border-color:rgb(55, 162, 198) }
```

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



Here you see how a box with a 4 pixel `rgb(55, 162, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(55, 162, 198); -webkit-box-shadow:4px 4px 4px 4px rgb(55, 162, 198); box-shadow:4px 4px 4px 4px rgb(55, 162, 198) }
```


Background

The CSS property to change the background color of an element to Yxy 30.7301, 0.2176, 0.2708 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 162, 198) }
```

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

```
.background{ background-color: rgb(55, 162,  
198) }
```

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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