

Converting Colors

$Yxy(34.8693, 0.2189, 0.2712)$

Have a look what the booklet for
Yxy(34.8693, 0.2189, 0.2712)
contains.

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Color

Yxy(34.7860, 0.2189, 0.2708)

Conversions

Conversions Part 1

Format	Color
Hex	3FABD1
RGB	63, 171, 209
RGB Percent	25%, 67%, 82%
CMY	0.7531, 0.3294, 0.1804
CMYK	0.70, 0.18, 0.00, 0.18
HSL	196°, 61%, 53%
HSV	196°, 70%, 82%
XYZ	28.1191, 34.7860, 65.5513
YIQ	143.0400, -76.5660, -11.0780

Conversions

Conversions Part 2

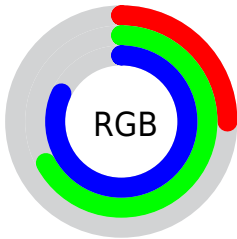
Format	Color
R_{YB}	63, 125, 209
Decimal	4172753
CIE _{Lab}	65.58, -18.48, -28.22
CIE _{LCh}	66, 33.732, 236.778
Yxy	34.7860, 0.2189, 0.2708
Android (android.graphics.Color)	4282362833 (0xFF3FABD1)
YUV	143.0400, 32.5183, -70.1951
Hunter-Lab	58.9797, -18.1128, -24.6105

Details

The Yxy color **34.7860, 0.2189, 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 **23.2130, 0.5090, 0.3711**, and the grayscale version is **27.3730, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.2019, 0.2408, 0.2944**, and **15.5267, 0.2042, 0.2551** is the 20% darker color. If you saturate the color by 10%, you get **32.2130, 0.2109, 0.2610**, and if you desaturate by 10%, it is **37.7070, 0.2288, 0.2805**.

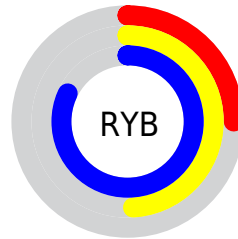
Distribution



Red (25%)

Green (67%)

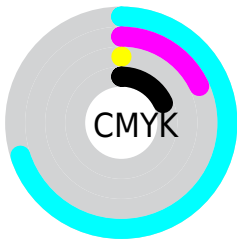
Blue (82%)



Red (25%)

Yellow (49%)

Blue (82%)

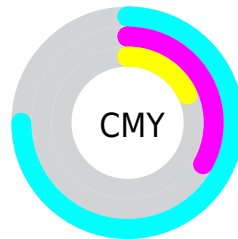


Cyan (70%)

Magenta (18%)

Yellow (0%)

Black (18%)



Cyan (75%)


Magenta (33%)


Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 34.7860, 0.2189, 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 34.7860, 0.2189, 0.2708 by changing the saturation by 10% instead.


 34.7860, 0.2189,
0.2708


 34.7860, 0.2189,
0.2708


323.6227, 0.2660,
0.3019


 23.4981, 0.2073,
0.2625


 67.1541, 0.2359,
0.2825

 14.9617, 0.1926,
0.2517


 89.0031, 0.2424,
0.2868


 8.7925, 0.1735,
0.2369


 115.1412, 0.2478,
0.2904

 4.6061, 0.1480,
0.2159

 145.9529, 0.2525,
0.2934

 2.0181, 0.1131,
0.1844

 181.8225, 0.2565,
0.2960

 0.6179, 0.0298,
0.1353

223.1344, 0.2601,

 0.0000, 0.0000,

0.2982

0.0000

270.2730, 0.2632,
0.3002

■ 34.7860, 0.2189,
0.2708

■ 34.7860, 0.2189,
0.2708

■ 32.2130, 0.2109,
0.2610

■ 37.7070, 0.2288,
0.2805

■ 29.9519, 0.2049,
0.2513

■ 40.9997, 0.2404,
0.2899

■ 27.9462, 0.2005,
0.2417

■ 44.6895, 0.2535,
0.2988

■ 27.9211, 0.2004,
0.2416

■ 48.7983, 0.2675,
0.3073

■ 53.3461, 0.2824,
0.3152

■ 58.3514, 0.2976,
0.3225

■ 63.8315, 0.3129,
0.3291

■ 69.8028, 0.3281,
0.3350

■ 76.2807, 0.3430,
0.3403

Harmonies

Analogous

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



34.7860, 0.2265, 0.3117



34.7860, 0.2189, 0.2708



34.7860, 0.2333, 0.2495

Triad

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



34.7860, 0.2189, 0.2708



34.7860, 0.3695, 0.2955



34.7860, 0.3526, 0.4235

Complementary

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



34.7860, 0.2189, 0.2708



23.2130, 0.5090, 0.3711

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.



34.7860, 0.3951, 0.4090



34.7860, 0.2189, 0.2708



34.7860, 0.4069, 0.3346

Square

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



34.7860, 0.2189, 0.2708



34.7860, 0.3174, 0.2649



34.7860, 0.4160, 0.3753



34.7860, 0.3015, 0.4077

Rectangle

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



34.7860, 0.2189, 0.2708



34.7860, 0.2544, 0.2466



34.7860, 0.4160, 0.3753



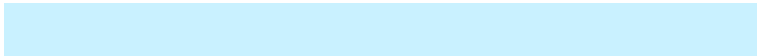
34.7860, 0.3684, 0.4217

Sweetspot

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



34.7872, 0.2189, 0.2708



82.6511, 0.2803, 0.3142



47.5652, 0.2874, 0.5041



17.2550, 0.2761, 0.3120



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.



34.7872, 0.2189, 0.2708



48.6602, 0.2076, 0.2561



14.6732, 0.1903, 0.1546



12.8648, 0.2983, 0.3228



17.3831, 0.2008, 0.2430



1.0967, 0.2057, 0.2606

Inverse Universe

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



20.0470, 0.3690, 0.2088



26.9683, 0.3851, 0.1983



43.6053, 0.4354, 0.4517



11.9543, 0.3177, 0.3120



9.8261, 0.3993, 0.1973



0.5620, 0.3818, 0.1877

Previews

White Background



This preview shows how the Yxy color 34.7860, 0.2189, 0.2708 looks on a white background.

Color Contrast Check

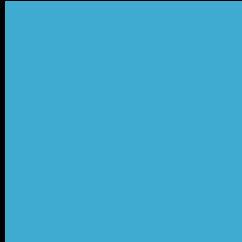
Large Text (above 18pt) WCAG AA × Fail

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 34.7860, 0.2189, 0.2708 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

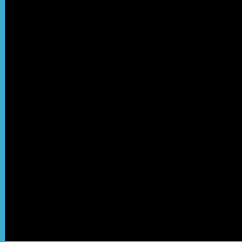
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.7860, 0.2189, 0.2708

Background



This preview shows how black text looks on a background with the Yxy color 34.7860, 0.2189, 0.2708.

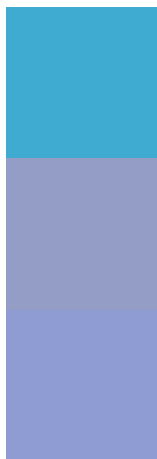


This preview shows how white text looks on a background with the Yxy color 34.7860, 0.2189, 0.2708.

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

34.7860, 0.2189, 0.2708

Protanopia

34.4871, 0.2709, 0.2711

Deuteranopia

34.3700, 0.2571, 0.2517



Tritanopia

34.9870, 0.2255, 0.3061

Trichromacy



Original Color

34.7860, 0.2189, 0.2708

Protanomaly

33.8868, 0.2462, 0.2698

Deuteranomaly

33.7703, 0.2387, 0.2564

Tritanomaly

35.0419, 0.2232, 0.2939

Monochromacy



Original Color

34.7860, 0.2189, 0.2708

Achromatopsia

27.4677, 0.3127, 0.3290

Achromatomaly

29.1499, 0.2655, 0.3059

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.7860, 0.2189, 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(63, 171, 209)` looks like.

```
.text, #text, p{  
    color:rgb(63, 171, 209)  
}
```

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(63, 171, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 171, 209) }
```

Border

The CSS property to change the border of an element to Yxy 34.7860, 0.2189, 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(63, 171, 209) }
```

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

```
.border{ border-color:rgb(63, 171, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 171, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 171, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 171, 209);  
box-shadow:4px 4px 4px 4px rgb(63, 171,  
209) }
```


Background

The CSS property to change the background color of an element to Yxy 34.7860, 0.2189, 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(63, 171, 209) }
```

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

```
.background{ background-color: rgb(63, 171,  
209) }
```

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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