

Converting Colors

$Yxy(36.0690, 0.2210, 0.2691)$

Have a look what the booklet for
Yxy(36.0690, 0.2210, 0.2691)
contains.

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Color

Yxy(36.0690, 0.2210, 0.2691)

Conversions

Conversions Part 1

Format	Color
Hex	48ADD5
RGB	72, 173, 213
RGB Percent	28%, 68%, 84%
CMY	0.7179, 0.3215, 0.1647
CMYK	0.66, 0.19, 0.00, 0.16
HSL	197°, 63%, 56%
HSV	197°, 66%, 84%
XYZ	29.6219, 36.0690, 68.3448
YIQ	147.3610, -73.0360, -8.9720

Conversions

Conversions Part 2

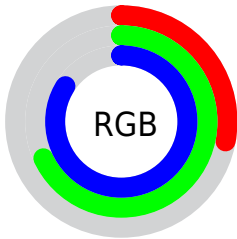
Format	Color
<code>RYB</code>	<code>72, 131, 213</code>
Decimal	<code>4763093</code>
CIELab	<code>66.57, -16.92, -28.88</code>
CIELCh	<code>67, 33.468, 239.631</code>
Yxy	<code>36.0690, 0.2210, 0.2691</code>
Android (<code>android.graphics.Color</code>)	<code>4282953173 (0xFF48ADD5)</code>
YUV	<code>147.3610, 32.3600, -66.0916</code>
Hunter-Lab	<code>60.0575, -17.0598, -25.4312</code>

Details

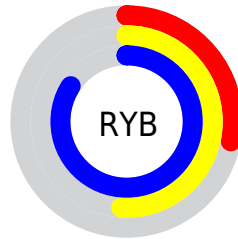
The Yxy color **36.0690, 0.2210, 0.2691** is a light color, and the websafe version is hex **3399CC**. The color can be described as light muted azure. A complement of this color would be **26.1843, 0.4917, 0.3744**, and the grayscale version is **29.2158, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.8577, 0.2442, 0.2971**, and **16.1434, 0.2035, 0.2525** is the 20% darker color. If you saturate the color by 10%, you get **33.1257, 0.2119, 0.2584**, and if you desaturate by 10%, it is **39.4029, 0.2319, 0.2796**.

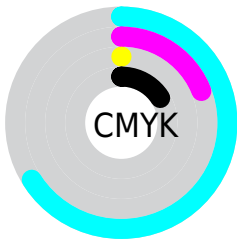
Distribution



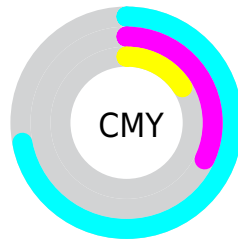
- Red (28%)
- Green (68%)
- Blue (84%)



- Red (28%)
- Yellow (51%)
- Blue (84%)



- Cyan (66%)
- Magenta (19%)
- Yellow (0%)
- Black (16%)



- Cyan (72%)
- Magenta (32%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 36.0690, 0.2210, 0.2691 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 36.0690, 0.2210, 0.2691 by changing the saturation by 10% instead.

■ 36.0690, 0.2210,
0.2691

■ 36.0690, 0.2210,
0.2691

■ 329.2620, 0.2668,
0.3008

■ 24.4875, 0.2098,
0.2608

■ 69.1386, 0.2375,
0.2809

■ 15.6956, 0.1956,
0.2500

■ 91.3954, 0.2438,
0.2853

■ 9.3090, 0.1772,
0.2353

■ 117.9794, 0.2491,
0.2889

■ 4.9433, 0.1527,
0.2147

■ 149.2751, 0.2536,
0.2920

■ 2.2140, 0.1192,
0.1843

■ 185.6668, 0.2576,
0.2947

■ 0.7276, 0.0531,
0.1387

■ 227.5390, 0.2610,

■ 0.0000, 0.0000,

0.2970

0.0000

275.2759, 0.2641,
0.2990

■ 36.0690, 0.2210,
0.2691

■ 36.0690, 0.2210,
0.2691

■ 33.1257, 0.2119,
0.2584

■ 39.4029, 0.2319,
0.2796

■ 30.5370, 0.2049,
0.2477

■ 43.1512, 0.2444,
0.2898

■ 28.2642, 0.1997,
0.2371

■ 47.3399, 0.2581,
0.2995

■ 27.4605, 0.1981,
0.2331

■ 51.9914, 0.2727,
0.3086

■ 57.1263, 0.2878,
0.3170

■ 62.7638, 0.3032,
0.3246

■ 68.9219, 0.3185,
0.3315

■ 75.6178, 0.3335,
0.3377

■ 81.1922, 0.3419,
0.3435

Harmonies

Analogous

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



36.0690, 0.2264, 0.3077



36.0690, 0.2210, 0.2691



36.0690, 0.2372, 0.2500

Triad

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



36.0690, 0.2210, 0.2691



36.0690, 0.3728, 0.2995



36.0690, 0.3473, 0.4215

Complementary

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



36.0690, 0.2210, 0.2691



26.1843, 0.4917, 0.3744

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.



36.0690, 0.3903, 0.4099



36.0690, 0.2210, 0.2691



36.0690, 0.4072, 0.3384

Square

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



36.0690, 0.2210, 0.2691



36.0690, 0.3223, 0.2684



36.0690, 0.4132, 0.3782



36.0690, 0.2971, 0.4029

Rectangle

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



36.0690, 0.2210, 0.2691



36.0690, 0.2591, 0.2483



36.0690, 0.4132, 0.3782



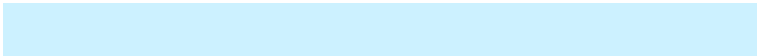
36.0690, 0.3631, 0.4207

Sweetspot

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



36.0703, 0.2210, 0.2691



82.6980, 0.2817, 0.3137



50.1274, 0.2854, 0.4870



17.2336, 0.2774, 0.3113



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.



36.0703, 0.2210, 0.2691



48.3327, 0.2092, 0.2545



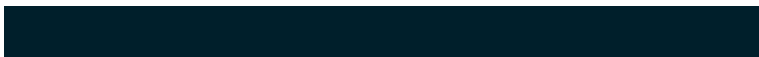
15.7819, 0.1944, 0.1575



13.4852, 0.2982, 0.3222



16.9571, 0.1985, 0.2346



1.1602, 0.2036, 0.2529

Inverse Universe

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



21.7901, 0.3698, 0.2160



27.9291, 0.3859, 0.2044



48.2448, 0.4257, 0.4521



12.5699, 0.3181, 0.3124



10.0567, 0.4078, 0.2020



0.6204, 0.3894, 0.1919

Previews

White Background



This preview shows how the Yxy color 36.0690, 0.2210, 0.2691 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 36.0690, 0.2210, 0.2691 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 36.0690, 0.2210, 0.2691

Background



This preview shows how black text looks on a background with the Yxy color 36.0690, 0.2210, 0.2691.

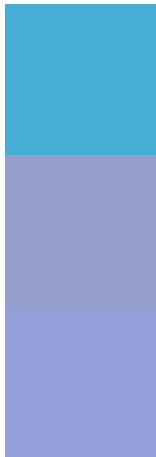


This preview shows how white text looks on a background with the Yxy color 36.0690, 0.2210, 0.2691.

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

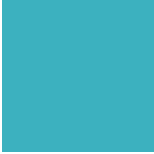
36.0690, 0.2210, 0.2691

Protanopia

35.5921, 0.2692, 0.2679

Deuteranopia

35.8651, 0.2572, 0.2517



Tritanopia

36.1665, 0.2287, 0.3065

Trichromacy



Original Color

36.0690, 0.2210, 0.2691

Protanomaly

35.1935, 0.2469, 0.2669

Deuteranomaly

35.3792, 0.2404, 0.2566

Tritanomaly

36.2642, 0.2258, 0.2930

Monochromacy



Original Color

36.0690, 0.2210, 0.2691

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

30.7103, 0.2679, 0.3049

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.0690, 0.2210, 0.2691 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(72, 173, 213)` looks like.

```
.text, #text, p{  
    color:rgb(72, 173, 213)  
}
```

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(72, 173, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 173, 213) }
```

Border

The CSS property to change the border of an element to Yxy 36.0690, 0.2210, 0.2691 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(72, 173, 213) }
```

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

```
.border{ border-color:rgb(72, 173, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 173, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 173, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 173, 213);  
box-shadow:4px 4px 4px 4px rgb(72, 173,  
213) }
```


Background

The CSS property to change the background color of an element to Yxy 36.0690, 0.2210, 0.2691 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 173, 213) }
```

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

```
.background{ background-color: rgb(72, 173,  
213) }
```

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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