

Converting Colors

$Yxy(37.4610, 0.2207, 0.2691)$

Have a look what the booklet for
Yxy(37.4610, 0.2207, 0.2691)
contains.

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Color

Yxy(37.4381, 0.2204, 0.2685)

Conversions

Conversions Part 1

Format	Color
Hex	48B0D9
RGB	72, 176, 217
RGB Percent	28%, 69%, 85%
CMY	0.7171, 0.3099, 0.1489
CMYK	0.67, 0.19, 0.00, 0.15
HSL	197°, 66%, 57%
HSV	197°, 67%, 85%
XYZ	30.7313, 37.4381, 71.2649
YIQ	149.5780, -75.1450, -9.2970

Conversions

Conversions Part 2

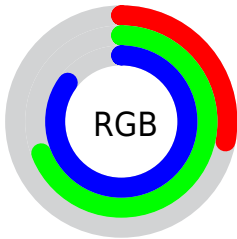
Format	Color
R_{YB}	72, 133, 217
Decimal	4763865
CIE _{Lab}	67.60, -17.19, -29.50
CIE _{LCh}	68, 34.143, 239.776
Yxy	37.4381, 0.2204, 0.2685
Android (android.graphics.Color)	4282953945 (0xFF48B0D9)
YUV	149.5780, 33.2390, -68.0359
Hunter-Lab	61.1867, -17.4242, -26.2251

Details

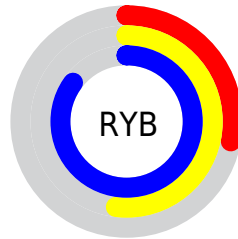
The Yxy color **37.4381, 0.2204, 0.2685** is a light color, and the websafe version is hex **0099CC**. The color can be described as light muted azure. A complement of this color would be **27.0728, 0.4941, 0.3745**, and the grayscale version is **30.2077, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.0841, 0.2451, 0.3019**, and **16.7746, 0.2028, 0.2501** is the 20% darker color. If you saturate the color by 10%, you get **34.3898, 0.2114, 0.2578**, and if you desaturate by 10%, it is **40.8926, 0.2312, 0.2791**.

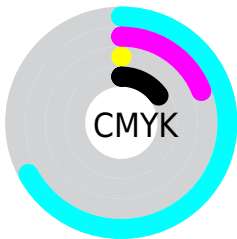
Distribution



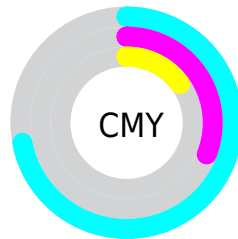
- Red (28%)
- Green (69%)
- Blue (85%)



- Red (28%)
- Yellow (52%)
- Blue (85%)



- Cyan (67%)
- Magenta (19%)
- Yellow (0%)
- Black (15%)



- Cyan (72%)
- Magenta (31%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 37.4381, 0.2204, 0.2685 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 37.4381, 0.2204, 0.2685 by changing the saturation by 10% instead.

■ 37.4381, 0.2204,
0.2685

■ 37.4381, 0.2204,
0.2685

■ 335.2034, 0.2662,
0.3003

■ 25.5469, 0.2093,
0.2602

■ 71.2461, 0.2369,
0.2803

■ 16.4850, 0.1953,
0.2495

■ 93.9316, 0.2431,
0.2847

■ 9.8680, 0.1772,
0.2351

■ 120.9840, 0.2484,
0.2884

■ 5.3115, 0.1532,
0.2149

■ 152.7878, 0.2530,
0.2915

■ 2.4312, 0.1206,
0.1854

■ 189.7272, 0.2569,
0.2941

■ 0.8419, 0.0642,
0.1419

■ 232.1866, 0.2604,

■ 0.0000, 0.0000,

0.2965

0.0000

280.5506, 0.2635,
0.2985

■ 37.4381, 0.2204,
0.2685

■ 37.4381, 0.2204,
0.2685

■ 34.3898, 0.2114,
0.2578

■ 40.8926, 0.2312,
0.2791

■ 31.7098, 0.2045,
0.2471

■ 44.7786, 0.2436,
0.2893

■ 29.3560, 0.1995,
0.2365

■ 49.1233, 0.2573,
0.2990

■ 28.6391, 0.1981,
0.2331

■ 53.9504, 0.2718,
0.3081

■ 59.2815, 0.2870,
0.3165

■ 65.1369, 0.3023,
0.3242

■ 71.5354, 0.3177,
0.3312

■ 78.4949, 0.3328,
0.3374

■ 83.5929, 0.3386,
0.3433

Harmonies

Analogous

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



37.4381, 0.2257, 0.3072



37.4381, 0.2204, 0.2685



37.4381, 0.2368, 0.2494

Triad

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



37.4381, 0.2204, 0.2685



37.4381, 0.3735, 0.2995



37.4381, 0.3473, 0.4222

Complementary

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



37.4381, 0.2204, 0.2685



27.0728, 0.4941, 0.3745

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.



37.4381, 0.3907, 0.4106



37.4381, 0.2204, 0.2685



37.4381, 0.4080, 0.3387

Square

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



37.4381, 0.2204, 0.2685



37.4381, 0.3227, 0.2681



37.4381, 0.4139, 0.3787



37.4381, 0.2967, 0.4033

Rectangle

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



37.4381, 0.2204, 0.2685



37.4381, 0.2589, 0.2478



37.4381, 0.4139, 0.3787



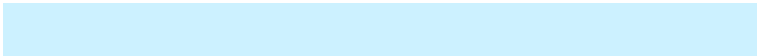
37.4381, 0.3632, 0.4214

Sweetspot

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



37.4394, 0.2204, 0.2685



82.7054, 0.2817, 0.3137



52.1616, 0.2865, 0.4923



17.2354, 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.



37.4394, 0.2204, 0.2685



47.9582, 0.2084, 0.2535



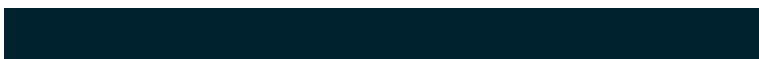
16.6904, 0.1942, 0.1592



14.1738, 0.2982, 0.3222



17.5209, 0.1985, 0.2346



1.2787, 0.2033, 0.2518

Inverse Universe

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



22.5415, 0.3704, 0.2153



27.6692, 0.3870, 0.2039



49.1797, 0.4286, 0.4506



13.2087, 0.3181, 0.3124



10.3925, 0.4079, 0.2020



0.6878, 0.3904, 0.1924

Previews

White Background



This preview shows how the Yxy color 37.4381, 0.2204, 0.2685 looks on a white background.

Color Contrast Check

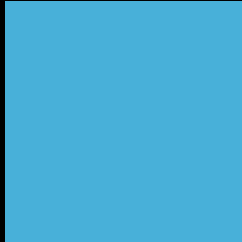
Large Text (above 18pt) WCAG AA × Fail

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 37.4381, 0.2204, 0.2685 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

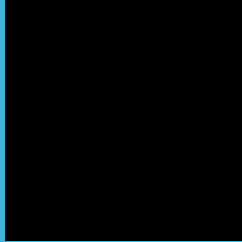
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.4381, 0.2204, 0.2685

Background



This preview shows how black text looks on a background with the Yxy color 37.4381, 0.2204, 0.2685.



This preview shows how white text looks on a background with the Yxy color 37.4381, 0.2204, 0.2685.

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

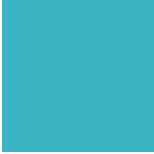
37.4381, 0.2204, 0.2685

Protanopia

37.0211, 0.2683, 0.2675

Deuteranopia

36.9529, 0.2565, 0.2502



Tritanopia

37.5125, 0.2277, 0.3053

Trichromacy



Original Color

37.4381, 0.2204, 0.2685

Protanomaly

36.5515, 0.2460, 0.2664

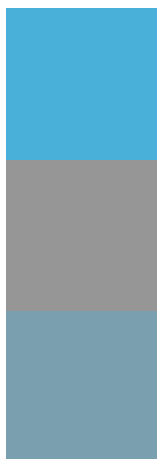
Deuteranomaly

36.3800, 0.2393, 0.2548

Tritanomaly

37.6420, 0.2251, 0.2920

Monochromacy



Original Color

37.4381, 0.2204, 0.2685

Achromatopsia

30.4987, 0.3127, 0.3290

Achromatomaly

31.9898, 0.2678, 0.3053

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.4381, 0.2204, 0.2685 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, 176, 217)` looks like.

```
.text, #text, p{  
    color:rgb(72, 176, 217)  
}
```

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, 176, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 176, 217) }
```

Border

The CSS property to change the border of an element to Yxy 37.4381, 0.2204, 0.2685 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, 176, 217) }
```

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

```
.border{ border-color:rgb(72, 176, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 176, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 176, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 176, 217);  
box-shadow:4px 4px 4px 4px rgb(72, 176,  
217) }
```


Background

The CSS property to change the background color of an element to Yxy 37.4381, 0.2204, 0.2685 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 176, 217) }
```

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

```
.background{ background-color: rgb(72, 176,  
217) }
```

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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