

Converting Colors

$Yxy(48.7626, 0.2332, 0.2928)$

Have a look what the booklet for
Yxy(48.7626, 0.2332, 0.2928)
contains.

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Color

Yxy(48.7160, 0.2333, 0.2934)

Conversions

Conversions Part 1

Format	Color
Hex	5FC7E1
RGB	95, 199, 225
RGB Percent	37%, 78%, 88%
CMY	0.6272, 0.2196, 0.1177
CMYK	0.58, 0.12, 0.00, 0.12
HSL	192°, 68%, 63%
HSV	192°, 58%, 88%
XYZ	38.7370, 48.7160, 78.5865
YIQ	170.8680, -70.3300, -13.9620

Conversions

Conversions Part 2

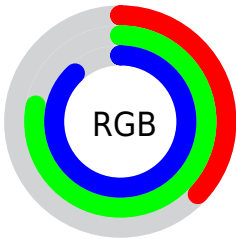
Format	Color
R _Y B	95, 153, 225
Decimal	6277089
CIE Lab	75.27, -22.72, -22.03
CIE LCh	75, 31.645, 224.125
Yxy	48.7160, 0.2333, 0.2934
Android (android.graphics.Color)	4284467169 (0xFF5FC7E1)
YUV	170.8680, 26.6871, -66.5362
Hunter-Lab	69.7968, -23.0776, -17.8987

Details

The Yxy color **48.7160, 0.2333, 0.2934** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted cyan. A complement of this color would be **30.5235, 0.4695, 0.3586**, and the grayscale version is **40.5544, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.7086, 0.2583, 0.3288**, and **23.2464, 0.2131, 0.2821** is the 20% darker color. If you saturate the color by 10%, you get **45.6401, 0.2239, 0.2861**, and if you desaturate by 10%, it is **52.2047, 0.2445, 0.3005**.

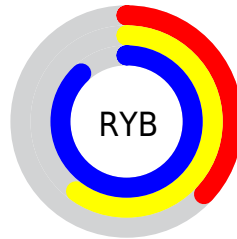
Distribution



Red (37%)

Green (78%)

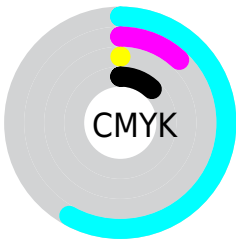
Blue (88%)



Red (37%)

Yellow (60%)

Blue (88%)

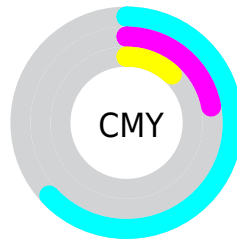


Cyan (58%)

Magenta (12%)

Yellow (0%)

Black (12%)



Cyan (63%)


Magenta (22%)


Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.7160, 0.2333, 0.2934 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 48.7160, 0.2333, 0.2934 by changing the saturation by 10% instead.


 48.7160, 0.2333,
0.2934


 48.7160, 0.2333,
0.2934

381.6232, 0.2714,
0.3119


 34.3942, 0.2244,
0.2886


 88.2695, 0.2467,
0.3003

 23.1966, 0.2132,
0.2824

 114.2700, 0.2519,
0.3028

 14.7388, 0.1990,
0.2741


 144.9323, 0.2563,
0.3049

 8.6363, 0.1802,
0.2625

 180.6407, 0.2601,
0.3068

 4.5047, 0.1548,
0.2453

221.7796, 0.2635,
0.3083

 1.9597, 0.1191,
0.2179

268.7333, 0.2664,

 0.5839, 0.0001,

0.3097

0.1749

321.8864, 0.2690,
0.3109

0.0000, 0.0000,
0.0000

48.7160, 0.2333,
0.2934

48.7160, 0.2333,
0.2934

45.6401, 0.2239,
0.2861

52.2047, 0.2445,
0.3005

42.9402, 0.2163,
0.2788

56.1286, 0.2571,
0.3072

40.5812, 0.2108,
0.2715

60.5143, 0.2709,
0.3136

38.5129, 0.2070,
0.2642

65.3849, 0.2856,
0.3196

38.0686, 0.2063,
0.2626

70.7617, 0.3008,
0.3251

■ 76.6644, 0.3162,
0.3301

■ 83.1119, 0.3316,
0.3346

■ 86.1161, 0.3328,
0.3390

■ 88.7264, 0.3322,
0.3434

Harmonies

Analogous

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



48.7160, 0.2481, 0.3331



48.7160, 0.2333, 0.2934



48.7160, 0.2377, 0.2674

Triad

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



48.7160, 0.2333, 0.2934



48.7160, 0.3428, 0.2884



48.7160, 0.3635, 0.4059

Complementary

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



48.7160, 0.2333, 0.2934



30.5235, 0.4695, 0.3586

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.



48.7160, 0.3923, 0.3867



48.7160, 0.2333, 0.2934



48.7160, 0.3808, 0.3198

Square

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



48.7160, 0.2333, 0.2934



48.7160, 0.2984, 0.2666



48.7160, 0.3992, 0.3549



48.7160, 0.3222, 0.4030

Rectangle

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



48.7160, 0.2333, 0.2934



48.7160, 0.2511, 0.2597



48.7160, 0.3992, 0.3549



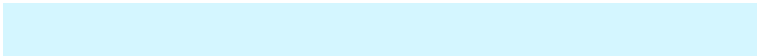
48.7160, 0.3751, 0.4015

Sweetspot

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



48.7178, 0.2333, 0.2934



87.2759, 0.2865, 0.3200



57.6628, 0.2922, 0.4799



18.3873, 0.2835, 0.3188



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.



48.7178, 0.2333, 0.2934



59.9652, 0.2224, 0.2849



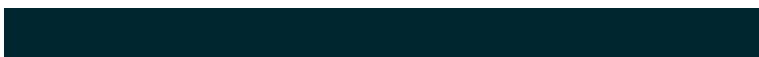
24.9356, 0.2124, 0.1973



15.0821, 0.2982, 0.3242



22.1083, 0.2066, 0.2637



1.6523, 0.2097, 0.2749

Inverse Universe

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



28.3265, 0.3473, 0.2164



32.0158, 0.3565, 0.2005



51.9568, 0.4194, 0.4300



13.8862, 0.3168, 0.3104



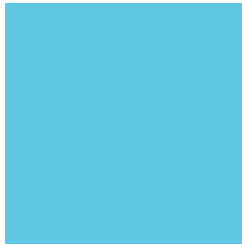
11.1399, 0.3788, 0.1860



0.7843, 0.3682, 0.1802

Previews

White Background



This preview shows how the Yxy color 48.7160, 0.2333, 0.2934 looks on a white background.

Color Contrast Check

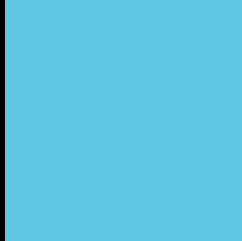
Large Text (above 18pt) WCAG AA × Fail

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 48.7160, 0.2333, 0.2934 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

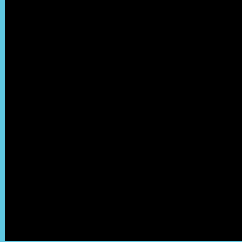
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.7160, 0.2333, 0.2934

Background



This preview shows how black text looks on a background with the Yxy color 48.7160, 0.2333, 0.2934.



This preview shows how white text looks on a background with the Yxy color 48.7160, 0.2333, 0.2934.

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

48.7160, 0.2333, 0.2934

Protanopia

48.1870, 0.2857, 0.2902

Deuteranopia

48.2886, 0.2761, 0.2707



Tritanopia

48.5936, 0.2361, 0.3052

Trichromacy



Original Color

48.7160, 0.2333, 0.2934



Protanomaly

47.7530, 0.2624, 0.2910



Deuteranomaly

47.8638, 0.2564, 0.2777



Tritanomaly

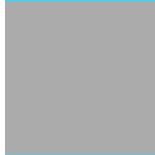
48.8030, 0.2351, 0.3012

Monochromacy



Original Color

48.7160, 0.2333, 0.2934



Achromatopsia

40.7240, 0.3127, 0.3290



Achromatomaly

42.6490, 0.2750, 0.3148

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.7160, 0.2333, 0.2934 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(95, 199, 225)` looks like.

```
.text, #text, p{  
    color:rgb(95, 199, 225)  
}
```

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(95, 199, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 199, 225) }
```

Border

The CSS property to change the border of an element to Yxy 48.7160, 0.2333, 0.2934 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(95, 199, 225) }
```

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

```
.border{ border-color:rgb(95, 199, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(95, 199, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 199, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 199, 225);  
box-shadow:4px 4px 4px 4px rgb(95, 199,  
225) }
```


Background

The CSS property to change the background color of an element to Yxy 48.7160, 0.2333, 0.2934 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 199, 225) }
```

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

```
.background{ background-color: rgb(95, 199,  
225) }
```

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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