

Converting Colors

$Y_{xy}(37.2320, 0.2389, 0.2823)$

Have a look what the booklet for
Yxy(37.2320, 0.2389, 0.2823)
contains.

Yxy(37.1197, 0.2385, 0.2816)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(37.1197, 0.2385, 0.2816)

Conversions

Conversions Part 1

Format	Color
Hex	66ADCD
RGB	102, 173, 205
RGB Percent	40%, 68%, 80%
CMY	0.6001, 0.3215, 0.1961
CMYK	0.50, 0.16, 0.00, 0.20
HSL	199°, 51%, 60%
HSV	199°, 50%, 80%
XYZ	31.4384, 37.1197, 63.2590
YIQ	155.4190, -52.5880, -5.1000

Conversions

Conversions Part 2

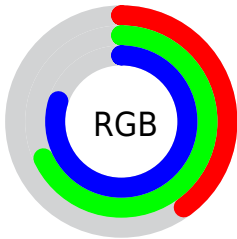
Format	Color
RYB	102, 144, 205
Decimal	6729165
CIELab	67.37, -13.55, -23.15
CIElCh	67, 26.824, 239.657
Yxy	37.1197, 0.2385, 0.2816
Android (android.graphics.Color)	4284919245 (0xFF66ADCD)
YUV	155.4190, 24.4434, -46.8485
Hunter-Lab	60.9259, -14.5126, -18.9123

Details

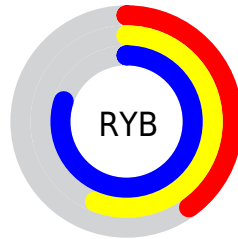
The Yxy color **37.1197, 0.2385, 0.2816** is a light color, and the websafe version is hex **3399CC**. A complement of this color would be **30.9725, 0.4312, 0.3700**, and the grayscale version is **32.8779, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.0777, 0.2556, 0.2980**, and **16.4014, 0.2175, 0.2666** is the 20% darker color. If you saturate the color by 10%, you get **33.6854, 0.2263, 0.2702**, and if you desaturate by 10%, it is **40.9691, 0.2521, 0.2925**.

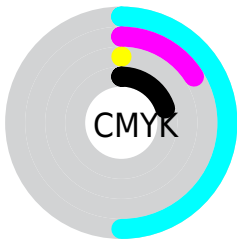
Distribution



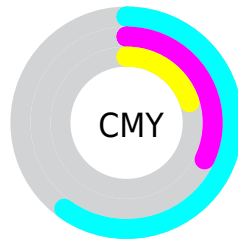
- Red (40%)
- Green (68%)
- Blue (80%)



- Red (40%)
- Yellow (56%)
- Blue (80%)



- Cyan (50%)
- Magenta (16%)
- Yellow (0%)
- Black (20%)



- Cyan (60%)
- Magenta (32%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 37.1197, 0.2385, 0.2816 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 37.1197, 0.2385, 0.2816 by changing the saturation by 10% instead.

■ 37.1197, 0.2385,
0.2816

■ 37.1197, 0.2385,
0.2816

■ 333.8285, 0.2758,
0.3066

■ 25.3002, 0.2292,
0.2750

■ 70.7568, 0.2521,
0.2910

■ 16.3008, 0.2174,
0.2664

■ 93.3433, 0.2572,
0.2944

■ 9.7373, 0.2017,
0.2547

■ 120.2874, 0.2615,
0.2973

■ 5.2251, 0.1804,
0.2379

■ 151.9738, 0.2652,
0.2997

■ 2.3799, 0.1500,
0.2123

■ 188.7866, 0.2684,
0.3018

■ 0.8155, 0.0939,
0.1723

■ 231.1104, 0.2712,

■ 0.0000, 0.0000,

0.3036

0.0000

279.3296, 0.2737,
0.3052

■ 37.1197, 0.2385,
0.2816

■ 37.1197, 0.2385,
0.2816

■ 33.6854, 0.2263,
0.2702

■ 40.9691, 0.2521,
0.2925

■ 30.6383, 0.2157,
0.2585

■ 45.2509, 0.2665,
0.3027

■ 27.9525, 0.2070,
0.2467

■ 49.9863, 0.2816,
0.3122

■ 25.5965, 0.2003,
0.2349

■ 55.1936, 0.2970,
0.3209

■ 23.5624, 0.1955,
0.2236

■ 60.8901, 0.3123,
0.3288

67.0920, 0.3274,
0.3359

73.8146, 0.3421,
0.3422

78.9342, 0.3481,
0.3483

82.4174, 0.3469,
0.3545

Harmonies

Analogous

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



37.1197, 0.2432, 0.3129



37.1197, 0.2385, 0.2816



37.1197, 0.2519, 0.2654

Triad

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



37.1197, 0.2385, 0.2816



37.1197, 0.3605, 0.3056



37.1197, 0.3410, 0.4017

Complementary

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



37.1197, 0.2385, 0.2816



30.9725, 0.4312, 0.3700

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.



37.1197, 0.3750, 0.3941



37.1197, 0.2385, 0.2816



37.1197, 0.3875, 0.3376

Square

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



37.1197, 0.2385, 0.2816



37.1197, 0.3208, 0.2799



37.1197, 0.3926, 0.3697



37.1197, 0.3008, 0.3865

Rectangle

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



37.1197, 0.2385, 0.2816



37.1197, 0.2699, 0.2636



37.1197, 0.3926, 0.3697



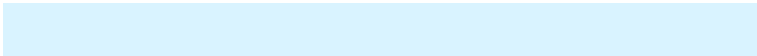
37.1197, 0.3536, 0.4015

Sweetspot

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



37.1211, 0.2385, 0.2816



86.1102, 0.2894, 0.3167



48.1712, 0.2880, 0.4400



18.0450, 0.2861, 0.3149



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.



37.1211, 0.2385, 0.2816



54.9154, 0.2257, 0.2696



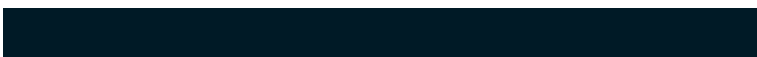
21.2902, 0.2231, 0.2019



12.1165, 0.2983, 0.3216



14.8457, 0.1959, 0.2253



0.8971, 0.2022, 0.2479

Inverse Universe

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



25.4917, 0.3553, 0.2418



35.2925, 0.3680, 0.2266



48.3782, 0.3974, 0.4292



11.3421, 0.3184, 0.3131



9.3017, 0.4176, 0.2074



0.4931, 0.3943, 0.1946

Previews

White Background



This preview shows how the Yxy color 37.1197, 0.2385, 0.2816 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 37.1197, 0.2385, 0.2816 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

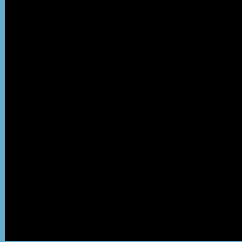
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.1197, 0.2385, 0.2816

Background



This preview shows how black text looks on a background with the Yxy color 37.1197, 0.2385, 0.2816.



This preview shows how white text looks on a background with the Yxy color 37.1197, 0.2385, 0.2816.

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

37.1197, 0.2385, 0.2816

Protanopia

36.8404, 0.2780, 0.2804

Deuteranopia

36.7636, 0.2706, 0.2641



Tritanopia

37.3098, 0.2450, 0.3073

Trichromacy



Original Color

37.1197, 0.2385, 0.2816

Protanomaly

36.6768, 0.2616, 0.2804

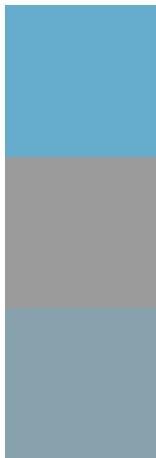
Deuteranomaly

36.6495, 0.2568, 0.2699

Tritanomaly

37.2527, 0.2430, 0.2985

Monochromacy



Original Color

37.1197, 0.2385, 0.2816

Achromatopsia

32.7778, 0.3127, 0.3290

Achromatomaly

34.0920, 0.2803, 0.3122

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.1197, 0.2385, 0.2816 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(102, 173, 205)` looks like.

```
.text, #text, p{  
    color:rgb(102, 173, 205)  
}
```

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(102, 173, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 173, 205) }
```

Border

The CSS property to change the border of an element to Yxy 37.1197, 0.2385, 0.2816 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(102, 173, 205) }
```

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

```
.border{ border-color:rgb(102, 173, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 173, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 173, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 173, 205);  
box-shadow:4px 4px 4px 4px rgb(102, 173,  
205) }
```


Background

The CSS property to change the background color of an element to Yxy 37.1197, 0.2385, 0.2816 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 173, 205) }
```

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

```
.background{ background-color: rgb(102,  
173, 205) }
```

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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