

Converting Colors

$Y_{xy}(36.8020, 0.2480, 0.2887)$

Have a look what the booklet for
Yxy(36.8020, 0.2480, 0.2887)
contains.

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Color

Yxy(36.7137, 0.2483, 0.2888)

Conversions

Conversions Part 1

Format	Color
Hex	71ABC6
RGB	113, 171, 198
RGB Percent	44%, 67%, 78%
CMY	0.5569, 0.3294, 0.2235
CMYK	0.43, 0.14, 0.00, 0.22
HSL	199°, 43%, 61%
HSV	199°, 43%, 78%
XYZ	31.5651, 36.7137, 58.8462
YIQ	156.7360, -43.2350, -3.8990

Conversions

Conversions Part 2

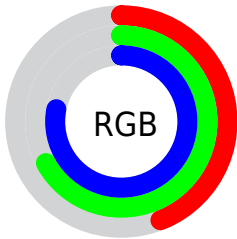
Format	Color
R _{YB}	113, 147, 198
Decimal	7449542
CIE _{Lab}	67.06, -11.77, -19.70
CIE _{LCh}	67, 22.950, 239.140
Y _{xy}	36.7137, 0.2483, 0.2888
Android (android.graphics.Color)	4285639622 (0xFF71ABC6)
YUV	156.7360, 20.3432, -38.3565
Hunter-Lab	60.5918, -13.0467, -15.1676

Details

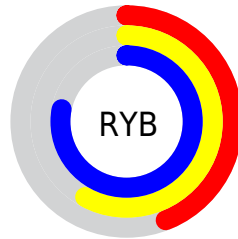
The Yxy color **36.7137, 0.2483, 0.2888** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **31.9513, 0.4073, 0.3651**, and the grayscale version is **33.5141, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.9375, 0.2599, 0.2961**, and **16.1068, 0.2295, 0.2764** is the 20% darker color. If you saturate the color by 10%, you get **33.2227, 0.2350, 0.2775**, and if you desaturate by 10%, it is **40.6070, 0.2626, 0.2994**.

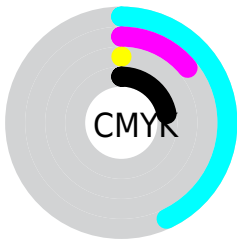
Distribution



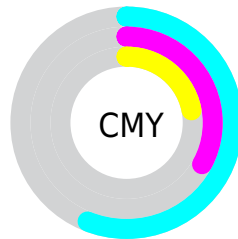
- Red (44%)
- Green (67%)
- Blue (78%)



- Red (44%)
- Yellow (58%)
- Blue (78%)



- Cyan (43%)
- Magenta (14%)
- Yellow (0%)
- Black (22%)





- Cyan (56%)
- Magenta (33%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.7137, 0.2483, 0.2888 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 36.7137, 0.2483, 0.2888 by changing the saturation by 10% instead.


 36.7137, 0.2483,
0.2888


 36.7137, 0.2483,
0.2888


332.0693, 0.2810,
0.3101

 24.9859, 0.2401,
0.2832


 70.1322, 0.2602,
0.2968

 16.0665, 0.2295,
0.2757


 92.5918, 0.2647,
0.2997

 9.5713, 0.2154,
0.2656


 119.3973, 0.2685,
0.3021

 5.1156, 0.1959,
0.2508

150.9333, 0.2717,
0.3042

 2.3153, 0.1673,
0.2280

187.5841, 0.2745,
0.3060

 0.7818, 0.1112,
0.1907

229.7341, 0.2769,

 0.0000, 0.0000,

0.3075

0.0000

277.7677, 0.2791,
0.3089

■ 36.7137, 0.2483,
0.2888

■ 36.7137, 0.2483,
0.2888

■ 33.2227, 0.2350,
0.2775

■ 40.6070, 0.2626,
0.2994

■ 30.1094, 0.2231,
0.2658

■ 44.9170, 0.2776,
0.3094

■ 27.3526, 0.2129,
0.2538

■ 49.6623, 0.2929,
0.3185

■ 24.9263, 0.2046,
0.2416

■ 54.8593, 0.3083,
0.3267

■ 22.7998, 0.1983,
0.2297

■ 60.5229, 0.3234,
0.3342

■ 21.4383, 0.1948,
0.2213

■ 66.6678, 0.3381,
0.3408

■ 73.3075, 0.3523,
0.3467

■ 77.2117, 0.3536,
0.3528

■ 80.6006, 0.3522,
0.3591

Harmonies

Analogous

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



36.7137, 0.2527, 0.3161



36.7137, 0.2483, 0.2888



36.7137, 0.2598, 0.2741

Triad

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



36.7137, 0.2483, 0.2888



36.7137, 0.3532, 0.3085



36.7137, 0.3380, 0.3911

Complementary

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



36.7137, 0.2483, 0.2888



31.9513, 0.4073, 0.3651

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.



36.7137, 0.3669, 0.3849



36.7137, 0.2483, 0.2888



36.7137, 0.3765, 0.3364

Square

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



36.7137, 0.2483, 0.2888



36.7137, 0.3193, 0.2860



36.7137, 0.3814, 0.3642



36.7137, 0.3034, 0.3782

Rectangle

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



36.7137, 0.2483, 0.2888



36.7137, 0.2754, 0.2722



36.7137, 0.3814, 0.3642



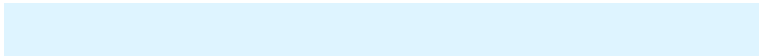
36.7137, 0.3487, 0.3911

Sweetspot

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



36.7151, 0.2483, 0.2888



87.7121, 0.2925, 0.3182



45.7882, 0.2899, 0.4183



18.3574, 0.2891, 0.3163



0.0000, 0.0000, 0.0000



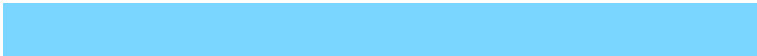
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



36.7151, 0.2483, 0.2888



58.9202, 0.2352, 0.2777



23.1784, 0.2371, 0.2217



11.4775, 0.2984, 0.3215



14.1019, 0.1953, 0.2229



0.7939, 0.2021, 0.2476

Inverse Universe

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



26.7558, 0.3478, 0.2547



40.0760, 0.3591, 0.2389



46.8232, 0.3836, 0.4170



10.7571, 0.3185, 0.3134



8.9636, 0.4202, 0.2088



0.4372, 0.3946, 0.1948

Previews

White Background



This preview shows how the Yxy color 36.7137, 0.2483, 0.2888 looks on a white background.

Color Contrast Check

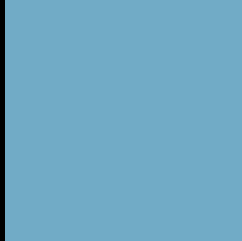
Large Text (above 18pt) WCAG AA × Fail

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 36.7137, 0.2483, 0.2888 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

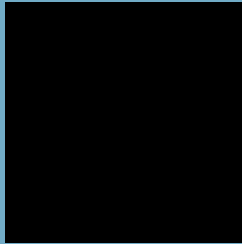
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.7137, 0.2483, 0.2888

Background



This preview shows how black text looks on a background with the Yxy color 36.7137, 0.2483, 0.2888.



This preview shows how white text looks on a background with the Yxy color 36.7137, 0.2483, 0.2888.

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

36.7137, 0.2483, 0.2888

Protanopia

36.4194, 0.2841, 0.2870

Deuteranopia

36.3842, 0.2780, 0.2716



Tritanopia

36.7900, 0.2536, 0.3075

Trichromacy



Original Color

36.7137, 0.2483, 0.2888

Protanomaly

36.4680, 0.2693, 0.2873

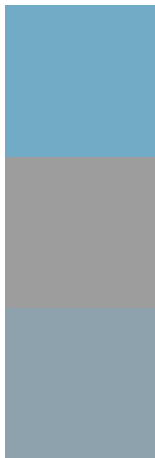
Deuteranomaly

36.1153, 0.2656, 0.2766

Tritanomaly

36.6461, 0.2515, 0.3001

Monochromacy



Original Color

36.7137, 0.2483, 0.2888

Achromatopsia

33.7164, 0.3127, 0.3290

Achromatomaly

34.4819, 0.2854, 0.3139

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.7137, 0.2483, 0.2888 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(113, 171, 198)` looks like.

```
.text, #text, p{  
    color:rgb(113, 171, 198)  
}
```

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(113, 171, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 171, 198) }
```

Border

The CSS property to change the border of an element to Yxy 36.7137, 0.2483, 0.2888 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(113, 171, 198) }
```

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

```
.border{ border-color:rgb(113, 171, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 171, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 171, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 171, 198);  
box-shadow:4px 4px 4px 4px rgb(113, 171,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 36.7137, 0.2483, 0.2888 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 171, 198) }
```

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

```
.background{ background-color: rgb(113,  
171, 198) }
```

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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