

Converting Colors

$Yxy(36.6139, 0.2465, 0.2907)$

Have a look what the booklet for
Yxy(36.6139, 0.2465, 0.2907)
contains.

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Color

Yxy(36.7875, 0.2467, 0.2915)

Conversions

Conversions Part 1

Format	Color
Hex	6DACC5
RGB	109, 172, 197
RGB Percent	43%, 67%, 77%
CMY	0.5727, 0.3255, 0.2275
CMYK	0.45, 0.13, 0.00, 0.23
HSL	197°, 43%, 60%
HSV	197°, 45%, 77%
XYZ	31.1337, 36.7875, 58.2795
YIQ	156.0130, -45.5730, -5.5810

Conversions

Conversions Part 2

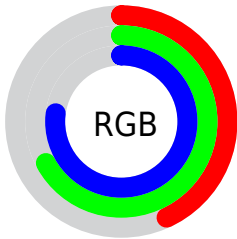
Format	Color
RYB	109, 146, 197
Decimal	7187653
CIELab	67.12, -13.60, -19.08
CIELCh	67, 23.429, 234.527
Yxy	36.7875, 0.2467, 0.2915
Android (android.graphics.Color)	4285377733 (0xFF6DACC5)
YUV	156.0130, 20.2066, -41.2304
Hunter-Lab	60.6527, -14.5162, -14.5132

Details

The Yxy color **36.7875, 0.2467, 0.2915** is a light color, and the websafe version is hex **669999**. A complement of this color would be **30.0115, 0.4145, 0.3626**, and the grayscale version is **33.1730, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.9864, 0.2585, 0.2982**, and **16.1730, 0.2277, 0.2801** is the 20% darker color. If you saturate the color by 10%, you get **33.5927, 0.2340, 0.2814**, and if you desaturate by 10%, it is **40.3546, 0.2605, 0.3011**.

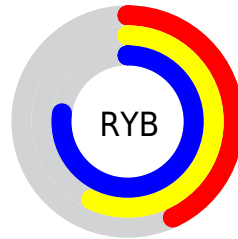
Distribution



Red (43%)

Green (67%)

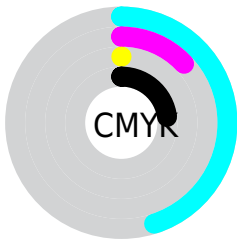
Blue (77%)



Red (43%)

Yellow (57%)

Blue (77%)

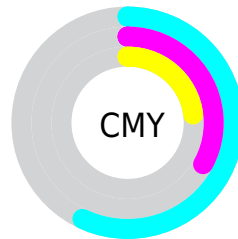


Cyan (45%)

Magenta (13%)

Yellow (0%)

Black (23%)



Cyan (57%)

Magenta (33%)

Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 36.7875, 0.2467, 0.2915 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 36.7875, 0.2467, 0.2915 by changing the saturation by 10% instead.

■ 36.7875, 0.2467,
0.2915

■ 36.7875, 0.2467,
0.2915

■ 332.3896, 0.2801,
0.3115

■ 25.0430, 0.2383,
0.2862

■ 70.2458, 0.2589,
0.2990

■ 16.1091, 0.2275,
0.2791

■ 92.7285, 0.2635,
0.3018

■ 9.6014, 0.2131,
0.2694

■ 119.5593, 0.2673,
0.3041

■ 5.1355, 0.1932,
0.2553

■ 151.1226, 0.2706,
0.3060

■ 2.3270, 0.1641,
0.2331

■ 187.8030, 0.2735,
0.3077

■ 0.7879, 0.1045,
0.1974

■ 229.9846, 0.2760,

■ 0.0000, 0.0000,

0.3091

0.0000

278.0520, 0.2782,
0.3103

■ 36.7875, 0.2467,
0.2915

■ 36.7875, 0.2467,
0.2915

■ 33.5927, 0.2340,
0.2814

■ 40.3546, 0.2605,
0.3011

■ 30.7461, 0.2229,
0.2710

■ 44.3080, 0.2752,
0.3100

■ 28.2265, 0.2135,
0.2603

■ 48.6660, 0.2903,
0.3182

■ 26.0083, 0.2061,
0.2496

■ 53.4443, 0.3056,
0.3257

■ 24.0604, 0.2006,
0.2390

■ 58.6577, 0.3208,
0.3325

■ 23.1036, 0.1982,
0.2335

■ 64.3202, 0.3357,
0.3386

■ 70.4450, 0.3502,
0.3440

■ 74.7845, 0.3553,
0.3493

■ 77.7117, 0.3541,
0.3549

Harmonies

Analogous

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



36.7875, 0.2537, 0.3209



36.7875, 0.2467, 0.2915



36.7875, 0.2560, 0.2744

Triad

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



36.7875, 0.2467, 0.2915



36.7875, 0.3492, 0.3040



36.7875, 0.3436, 0.3926

Complementary

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



36.7875, 0.2467, 0.2915



30.0115, 0.4145, 0.3626

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.



36.7875, 0.3714, 0.3835



36.7875, 0.2467, 0.2915



36.7875, 0.3753, 0.3320

Square

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



36.7875, 0.2467, 0.2915



36.7875, 0.3137, 0.2825



36.7875, 0.3834, 0.3607



36.7875, 0.3086, 0.3826

Rectangle

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



36.7875, 0.2467, 0.2915



36.7875, 0.2705, 0.2710



36.7875, 0.3834, 0.3607



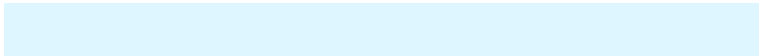
36.7875, 0.3542, 0.3916

Sweetspot

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



36.7889, 0.2467, 0.2915



88.3885, 0.2925, 0.3194



44.8984, 0.2910, 0.4274



18.5252, 0.2891, 0.3176



0.0000, 0.0000, 0.0000



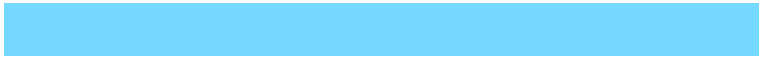
21.4041, 0.3127, 0.3290

Same Dimension

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



36.7889, 0.2467, 0.2915



60.0901, 0.2339, 0.2813



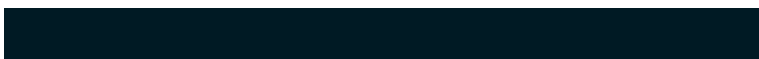
22.7299, 0.2346, 0.2212



11.5390, 0.2984, 0.3223



15.3450, 0.1986, 0.2348



0.8453, 0.2047, 0.2568

Inverse Universe

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



25.7797, 0.3461, 0.2483



39.0060, 0.3566, 0.2318



44.7834, 0.3882, 0.4171



10.7633, 0.3180, 0.3126



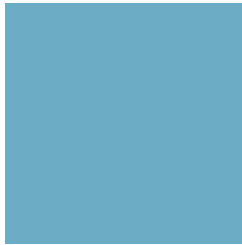
9.0891, 0.4076, 0.2019



0.4423, 0.3855, 0.1898

Previews

White Background



This preview shows how the Yxy color 36.7875, 0.2467, 0.2915 looks on a white background.

Color Contrast Check

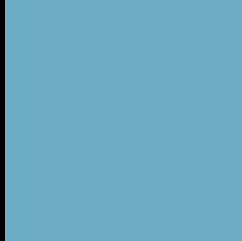
Large Text (above 18pt) WCAG AA × Fail

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 36.7875, 0.2467, 0.2915 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

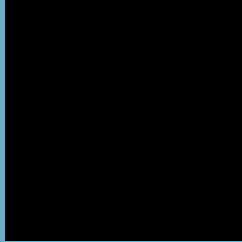
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.7875, 0.2467, 0.2915

Background



This preview shows how black text looks on a background with the Yxy color 36.7875, 0.2467, 0.2915.



This preview shows how white text looks on a background with the Yxy color 36.7875, 0.2467, 0.2915.

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

36.7875, 0.2467, 0.2915

Protanopia

36.3755, 0.2849, 0.2883

Deuteranopia

36.4400, 0.2796, 0.2730



Tritanopia

36.9671, 0.2508, 0.3074

Trichromacy



Original Color

36.7875, 0.2467, 0.2915

Protanomaly

36.3360, 0.2692, 0.2886

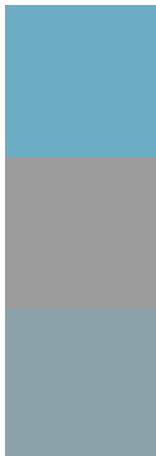
Deuteranomaly

36.3372, 0.2656, 0.2792

Tritanomaly

36.7745, 0.2493, 0.3015

Monochromacy



Original Color

36.7875, 0.2467, 0.2915

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

34.2699, 0.2844, 0.3153

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.7875, 0.2467, 0.2915 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(109, 172, 197)` looks like.

```
.text, #text, p{  
    color:rgb(109, 172, 197)  
}
```

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(109, 172, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 172, 197) }
```

Border

The CSS property to change the border of an element to Yxy 36.7875, 0.2467, 0.2915 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(109, 172, 197) }
```

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

```
.border{ border-color:rgb(109, 172, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 172, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 172, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 172, 197);  
box-shadow:4px 4px 4px 4px rgb(109, 172,  
197) }
```


Background

The CSS property to change the background color of an element to Yxy 36.7875, 0.2467, 0.2915 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 172, 197) }
```

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

```
.background{ background-color: rgb(109,  
172, 197) }
```

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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