

Converting Colors

$Y_{xy}(36.4413, 0.2350, 0.2629)$

Have a look what the booklet for
Yxy(36.4413, 0.2350, 0.2629)
contains.

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Color

Yxy(36.4080, 0.2347, 0.2628)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | 6BA9D7 |
| RGB | 107, 169, 215 |
| RGB Percent | 42%, 66%, 84% |
| CMY | 0.5805, 0.3372, 0.1568 |
| CMYK | 0.50, 0.21, 0.00, 0.16 |
| HSL | 206°, 57%, 63% |
| HSV | 206°, 50%, 84% |
| XYZ | 32.5151, 36.4080, 69.6158 |
| YIQ | 155.7060, -51.7180, 1.1620 |

Conversions

Conversions Part 2

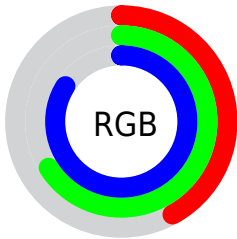
| Format | Color |
|-------------------------------------|--------------------------------|
| R _{YB} | 107, 146, 215 |
| Decimal | 7055831 |
| CIE Lab | 66.83, -7.34, -29.49 |
| CIE LCh | 67, 30.385, 256.028 |
| Yxy | 36.4080, 0.2347, 0.2628 |
| Android (android.graphics.Color) | 4285245911 (0xFF6BA9D7) |
| YUV | 155.7060, 29.2319, -42.7152 |
| Hunter-Lab | 60.3390, -9.4046, -26.1681 |

Details

The Yxy color **36.4080, 0.2347, 0.2628** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **38.2843, 0.4231, 0.3851**, and the grayscale version is **32.9899, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.4238, 0.2575, 0.2935**, and **15.8650, 0.2124, 0.2428** is the 20% darker color. If you saturate the color by 10%, you get **31.9504, 0.2208, 0.2467**, and if you desaturate by 10%, it is **41.4382, 0.2497, 0.2782**.

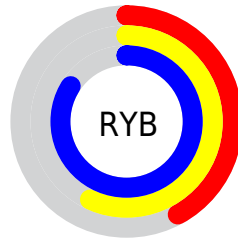
Distribution



Red (42%)

Green (66%)

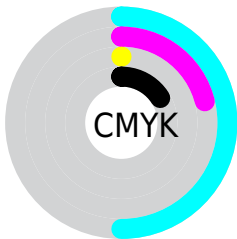
Blue (84%)



Red (42%)

Yellow (57%)

Blue (84%)

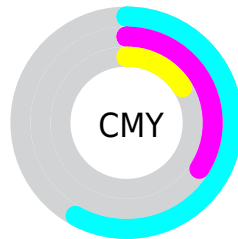


Cyan (50%)

Magenta (21%)

Yellow (0%)

Black (16%)



Cyan (58%)

Magenta (34%)

Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 36.4080, 0.2347, 0.2628 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 36.4080, 0.2347, 0.2628 by changing the saturation by 10% instead.

■ 36.4080, 0.2347,
0.2628

■ 36.4080, 0.2347,
0.2628

■ 330.7403, 0.2740,
0.2969

■ 24.7495, 0.2250,
0.2541

■ 69.6613, 0.2489,
0.2754

■ 15.8905, 0.2126,
0.2429

■ 92.0249, 0.2543,
0.2800

■ 9.4467, 0.1964,
0.2279

■ 118.7257, 0.2588,
0.2840

■ 5.0337, 0.1744,
0.2073

■ 150.1480, 0.2627,
0.2873

■ 2.2670, 0.1436,
0.1773

■ 186.6762, 0.2661,
0.2902

■ 0.7562, 0.0941,
0.1318

■ 228.6947, 0.2691,

■ 0.0000, 0.0000,

0.2928

0.0000

276.5880, 0.2717,
0.2950

■ 36.4080, 0.2347,
0.2628

■ 36.4080, 0.2347,
0.2628

■ 31.9504, 0.2208,
0.2467

■ 41.4382, 0.2497,
0.2782

■ 28.0313, 0.2085,
0.2301

■ 47.0640, 0.2653,
0.2925

■ 24.6187, 0.1981,
0.2135


■ 53.3119, 0.2811,
0.3058

■ 21.6733, 0.1899,
0.1971

■ 60.2053, 0.2969,
0.3179


■ 19.1882, 0.1838,
0.1817

■ 67.7661, 0.3123,
0.3287

 76.0152, 0.3272,
0.3384

 84.5000, 0.3396,
0.3471

 89.8220, 0.3382,
0.3560

 95.4169, 0.3369,
0.3647

Harmonies

Analogous

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



36.4080, 0.2287, 0.2889



36.4080, 0.2347, 0.2628



36.4080, 0.2598, 0.2550

Triad

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



36.4080, 0.2347, 0.2628



36.4080, 0.3868, 0.3214



36.4080, 0.3196, 0.4064

Complementary

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



36.4080, 0.2347, 0.2628



38.2843, 0.4231, 0.3851

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.



36.4080, 0.3637, 0.4110



36.4080, 0.2347, 0.2628



36.4080, 0.4046, 0.3584

Square

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



36.4080, 0.2347, 0.2628



36.4080, 0.3474, 0.2881



36.4080, 0.3955, 0.3915



36.4080, 0.2755, 0.3755

Rectangle

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



36.4080, 0.2347, 0.2628



36.4080, 0.2856, 0.2595



36.4080, 0.3955, 0.3915



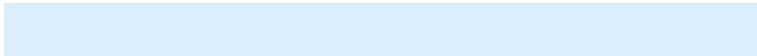
36.4080, 0.3349, 0.4111

Sweetspot

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



36.4093, 0.2347, 0.2628



83.4985, 0.2892, 0.3121



54.0004, 0.2809, 0.4210



17.4143, 0.2859, 0.3095



0.0000, 0.0000, 0.0000



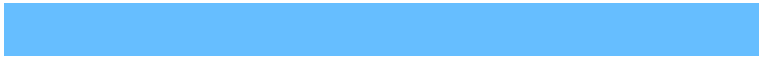
21.4041, 0.3127, 0.3290

Same Dimension

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



36.4093, 0.2347, 0.2628



46.8074, 0.2204, 0.2462



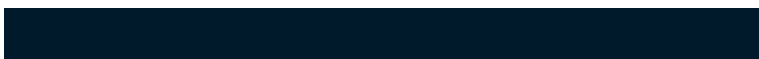
20.5137, 0.2193, 0.1831



13.1808, 0.2982, 0.3188



11.6888, 0.1845, 0.1841



0.8676, 0.1921, 0.2116

Inverse Universe

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



27.8222, 0.3709, 0.2551



34.4740, 0.3889, 0.2426



59.6601, 0.3906, 0.4418



12.5391, 0.3202, 0.3157



9.5248, 0.4637, 0.2328



0.5909, 0.4324, 0.2156

Previews

White Background



This preview shows how the Yxy color 36.4080, 0.2347, 0.2628 looks on a white background.

Color Contrast Check

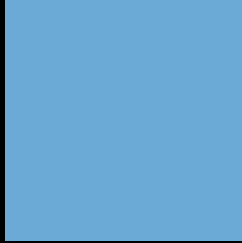
Large Text (above 18pt) WCAG AA × Fail

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 36.4080, 0.2347, 0.2628 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

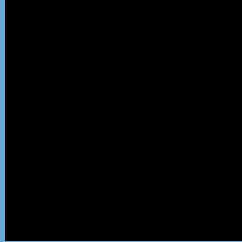
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

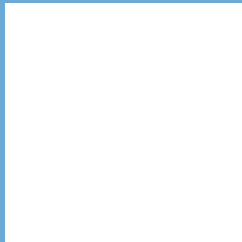
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 36.4080, 0.2347, 0.2628

Background



This preview shows how black text looks on a background with the Yxy color 36.4080, 0.2347, 0.2628.



This preview shows how white text looks on a background with the Yxy color 36.4080, 0.2347, 0.2628.

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

36.4080, 0.2347, 0.2628

Protanopia

36.0852, 0.2650, 0.2631

Deuteranopia

36.3544, 0.2575, 0.2521



Tritanopia

36.4996, 0.2462, 0.3072

Trichromacy



Original Color

36.4080, 0.2347, 0.2628

Protanomaly

35.9659, 0.2525, 0.2618

Deuteranomaly

36.0578, 0.2480, 0.2555

Tritanomaly

36.3490, 0.2415, 0.2896

Monochromacy



Original Color

36.4080, 0.2347, 0.2628

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

34.0673, 0.2788, 0.3048

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.4080, 0.2347, 0.2628 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(107, 169, 215)` looks like.

```
.text, #text, p{  
    color:rgb(107, 169, 215)  
}
```

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(107, 169, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 169, 215) }
```

Border

The CSS property to change the border of an element to Yxy 36.4080, 0.2347, 0.2628 is called "border". The border property can be set on classes, ids or directly on the HTML element.

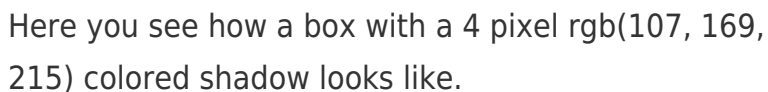
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(107, 169, 215) }
```

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

```
.border{ border-color:rgb(107, 169, 215) }
```

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



Here you see how a box with a 4 pixel `rgb(107, 169, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(107, 169, 215); -webkit-box-shadow:4px 4px 4px 4px rgb(107, 169, 215); box-shadow:4px 4px 4px 4px rgb(107, 169, 215) }
```


Background

The CSS property to change the background color of an element to Yxy 36.4080, 0.2347, 0.2628 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 169, 215) }
```

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

```
.background{ background-color: rgb(107,  
169, 215) }
```

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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