

Converting Colors

$Y_{xy}(36.6628, 0.2315, 0.2597)$

Have a look what the booklet for
Yxy(36.6628, 0.2315, 0.2597)
contains.

Yxy(36.7545, 0.2319, 0.2603)	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(36.7545, 0.2319, 0.2603)

Conversions

Conversions Part 1

Format	Color
Hex	68AADA
RGB	104, 170, 218
RGB Percent	41%, 67%, 85%
CMY	0.5919, 0.3334, 0.1451
CMYK	0.52, 0.22, 0.00, 0.15
HSL	205°, 61%, 63%
HSV	205°, 52%, 85%
XYZ	32.7444, 36.7545, 71.7016
YIQ	155.7380, -54.7440, 0.9360

Conversions

Conversions Part 2

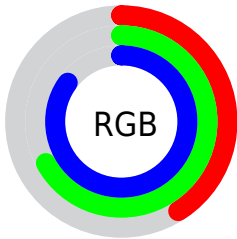
Format	Color
RYB	104, 146, 218
Decimal	6859482
CIELab	67.09, -7.65, -30.74
CIELCh	67, 31.675, 256.033
Yxy	36.7545, 0.2319, 0.2603
Android (android.graphics.Color)	4285049562 (0xFF68AADA)
YUV	155.7380, 30.6952, -45.3742
Hunter-Lab	60.6255, -9.6851, -27.6843

Details

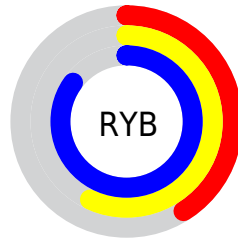
The Yxy color **36.7545, 0.2319, 0.2603** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **38.3900, 0.4295, 0.3865**, and the grayscale version is **33.0092, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.6475, 0.2561, 0.2946**, and **16.0935, 0.2091, 0.2396** is the 20% darker color. If you saturate the color by 10%, you get **32.2898, 0.2184, 0.2442**, and if you desaturate by 10%, it is **41.7998, 0.2466, 0.2757**.

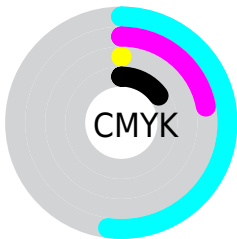
Distribution



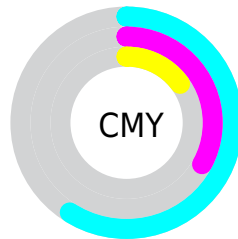
- Red (41%)
- Green (67%)
- Blue (85%)



- Red (41%)
- Yellow (57%)
- Blue (85%)



- Cyan (52%)
- Magenta (22%)
- Yellow (0%)
- Black (15%)



- Cyan (59%)
- Magenta (33%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 36.7545, 0.2319, 0.2603 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 36.7545, 0.2319, 0.2603 by changing the saturation by 10% instead.

■ 36.7545, 0.2319,
0.2603

■ 36.7545, 0.2319,
0.2603

■ 332.2464, 0.2724,
0.2956

■ 25.0175, 0.2219,
0.2513

■ 70.1950, 0.2466,
0.2733

■ 16.0901, 0.2093,
0.2398

■ 92.6673, 0.2521,
0.2781

■ 9.5879, 0.1927,
0.2245

■ 119.4869, 0.2568,
0.2822

■ 5.1266, 0.1705,
0.2035

■ 151.0380, 0.2608,
0.2857

■ 2.3217, 0.1396,
0.1732

■ 187.7051, 0.2643,
0.2887

■ 0.7852, 0.0914,
0.1282

■ 229.8726, 0.2673,

■ 0.0000, 0.0000,

0.2913

0.0000

277.9249, 0.2700,
0.2936

■ 36.7545, 0.2319,
0.2603

■ 36.7545, 0.2319,
0.2603

■ 32.2898, 0.2184,
0.2442

■ 41.7998, 0.2466,
0.2757

■ 28.3704, 0.2065,
0.2278

■ 47.4502, 0.2621,
0.2901

■ 24.9618, 0.1966,
0.2113


■ 53.7331, 0.2779,
0.3035

■ 22.0224, 0.1889,
0.1953


■ 60.6730, 0.2937,
0.3157

■ 20.0194, 0.1842,
0.1832

■ 68.2928, 0.3093,
0.3267

 76.6139, 0.3243,
0.3365

 85.3387, 0.3375,
0.3453

 90.7150, 0.3361,
0.3542

 96.3667, 0.3349,
0.3629

Harmonies

Analogous

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



36.7545, 0.2257, 0.2872



36.7545, 0.2319, 0.2603



36.7545, 0.2579, 0.2524

Triad

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



36.7545, 0.2319, 0.2603



36.7545, 0.3897, 0.3210



36.7545, 0.3197, 0.4097

Complementary

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



36.7545, 0.2319, 0.2603



38.3900, 0.4295, 0.3865

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.



36.7545, 0.3655, 0.4142



36.7545, 0.2319, 0.2603



36.7545, 0.4082, 0.3592

Square

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



36.7545, 0.2319, 0.2603



36.7545, 0.3487, 0.2866



36.7545, 0.3986, 0.3937



36.7545, 0.2740, 0.3774

Rectangle

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



36.7545, 0.2319, 0.2603



36.7545, 0.2845, 0.2571



36.7545, 0.3986, 0.3937



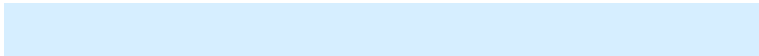
36.7545, 0.3356, 0.4145

Sweetspot

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



36.7558, 0.2319, 0.2603



82.5829, 0.2876, 0.3111



55.3450, 0.2801, 0.4256



17.2359, 0.2844, 0.3086



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.



36.7558, 0.2319, 0.2603



45.2872, 0.2167, 0.2421



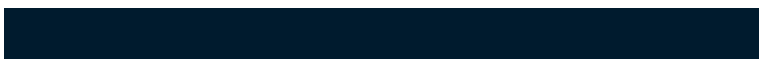
19.9454, 0.2150, 0.1762



13.8622, 0.2982, 0.3189



12.2103, 0.1849, 0.1855



0.9602, 0.1920, 0.2112

Inverse Universe

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



27.7225, 0.3737, 0.2519



32.9286, 0.3936, 0.2388



61.2686, 0.3936, 0.4457



13.1772, 0.3202, 0.3156



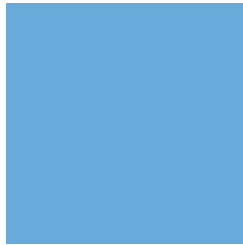
9.8564, 0.4621, 0.2319



0.6556, 0.4328, 0.2158

Previews

White Background



This preview shows how the Yxy color 36.7545, 0.2319, 0.2603 looks on a white background.

Color Contrast Check

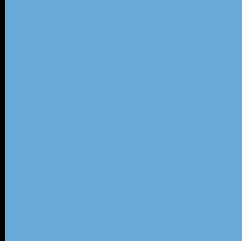
Large Text (above 18pt) WCAG AA × Fail

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 36.7545, 0.2319, 0.2603 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

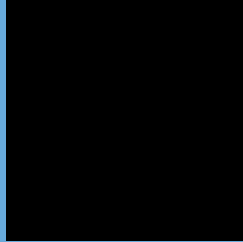
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

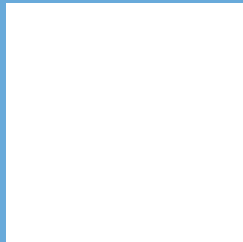
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 36.7545, 0.2319, 0.2603

Background



This preview shows how black text looks on a background with the Yxy color 36.7545, 0.2319, 0.2603.

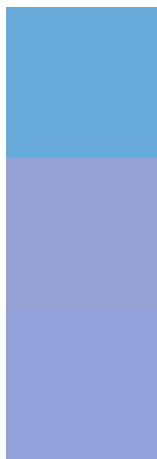


This preview shows how white text looks on a background with the Yxy color 36.7545, 0.2319, 0.2603.

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

36.7545, 0.2319, 0.2603

Protanopia

36.5824, 0.2631, 0.2609

Deuteranopia

36.4199, 0.2548, 0.2485



Tritanopia

36.7138, 0.2437, 0.3071

Trichromacy



Original Color

36.7545, 0.2319, 0.2603

Protanomaly

36.3925, 0.2501, 0.2594

Deuteranomaly

36.4907, 0.2458, 0.2532

Tritanomaly

36.6539, 0.2391, 0.2882

Monochromacy



Original Color

36.7545, 0.2319, 0.2603

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

34.0628, 0.2765, 0.3019

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.7545, 0.2319, 0.2603 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(104, 170, 218)` looks like.

```
.text, #text, p{  
    color:rgb(104, 170, 218)  
}
```

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(104, 170, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 170, 218) }
```

Border

The CSS property to change the border of an element to Yxy 36.7545, 0.2319, 0.2603 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(104, 170, 218) }
```

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

```
.border{ border-color:rgb(104, 170, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 170, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 170, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 170, 218);  
box-shadow:4px 4px 4px 4px rgb(104, 170,  
218) }
```


Background

The CSS property to change the background color of an element to Yxy 36.7545, 0.2319, 0.2603 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 170, 218) }
```

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

```
.background{ background-color: rgb(104,  
170, 218) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor