

Converting Colors

$Yxy(36.6323, 0.2215, 0.2426)$

Have a look what the booklet for
Yxy(36.6323, 0.2215, 0.2426)
contains.

Yxy(36.6323, 0.2215, 0.2426)	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(36.6323, 0.2215, 0.2426)

Conversions

Conversions Part 1

Format	Color
Hex	60A9E7
RGB	96, 169, 231
RGB Percent	38%, 66%, 91%
CMY	0.6231, 0.3373, 0.0941
CMYK	0.58, 0.27, 0.00, 0.09
HSL	208°, 74%, 64%
HSV	208°, 58%, 91%
XYZ	33.4462, 36.6323, 80.9202
YIQ	154.2410, -63.4100, 3.8060

Conversions

Conversions Part 2

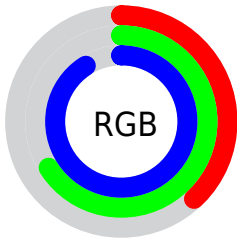
Format	Color
R _Y B	96, 143, 231
Decimal	6334951
CIE Lab	67.00, -4.76, -38.06
CIE LCh	67, 38.353, 262.869
Yxy	36.6323, 0.2215, 0.2426
Android (android.graphics.Color)	4284525031 (0xFF60A9E7)
YUV	154.2410, 37.8422, -51.0774
Hunter-Lab	60.5246, -7.2780, -36.9023

Details

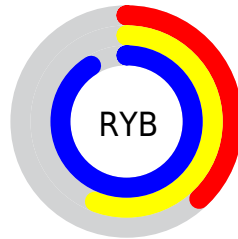
The Yxy color **36.6323, 0.2215, 0.2426** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **42.3442, 0.4446, 0.3978**, and the grayscale version is **32.2904, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.5992, 0.2533, 0.2932**, and **15.9772, 0.1967, 0.2181** is the 20% darker color. If you saturate the color by 10%, you get **31.7644, 0.2083, 0.2246**, and if you desaturate by 10%, it is **42.1921, 0.2361, 0.2601**.

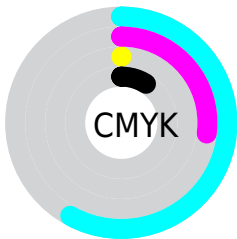
Distribution



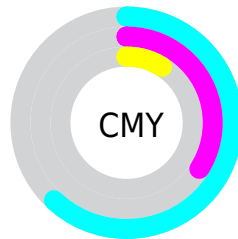
- Red (38%)
- Green (66%)
- Blue (91%)



- Red (38%)
- Yellow (56%)
- Blue (91%)



- Cyan (58%)
- Magenta (27%)
- Yellow (0%)
- Black (9%)



- Cyan (62%)
- Magenta (34%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.6323, 0.2215, 0.2426 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 36.6323, 0.2215, 0.2426 by changing the saturation by 10% instead.


 36.6323, 0.2215,
0.2426


 36.6323, 0.2215,
0.2426


331.7158, 0.2669,
0.2863


 24.9229, 0.2105,
0.2318


 70.0069, 0.2378,
0.2584

 16.0196, 0.1967,
0.2182


 92.4409, 0.2440,
0.2644

 9.5381, 0.1789,
0.2005


 119.2186, 0.2492,
0.2694

 5.0938, 0.1555,
0.1769

 150.7243, 0.2538,
0.2738

 2.3024, 0.1240,
0.1445

187.3425, 0.2577,
0.2775

 0.7750, 0.0797,
0.0996

229.4576, 0.2611,

 0.0000, 0.0000,

0.2808

0.0000

277.4539, 0.2642,
0.2837

■ 36.6323, 0.2215,
0.2426

■ 36.6323, 0.2215,
0.2426

■ 31.7644, 0.2083,
0.2246

■ 42.1921, 0.2361,
0.2601

■ 27.5438, 0.1971,
0.2065

■ 48.4767, 0.2517,
0.2767

■ 23.9245, 0.1881,
0.1888

■ 55.5205, 0.2677,
0.2921

■ 20.8418, 0.1813,
0.1718


■ 63.3548, 0.2839,
0.3063

■ 20.3826, 0.1803,
0.1691

■ 72.0082, 0.2998,
0.3192

 81.5082, 0.3151,
0.3308

 91.3396, 0.3280,
0.3411

 97.8953, 0.3269,
0.3513

 98.5504, 0.3268,
0.3522

Harmonies

Analogous

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



36.6323, 0.2088, 0.2685



36.6323, 0.2215, 0.2426



36.6323, 0.2567, 0.2389

Triad

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



36.6323, 0.2215, 0.2426



36.6323, 0.4143, 0.3286



36.6323, 0.3070, 0.4223

Complementary

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



36.6323, 0.2215, 0.2426



42.3442, 0.4446, 0.3978

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.



36.6323, 0.3635, 0.4345



36.6323, 0.2215, 0.2426



36.6323, 0.4286, 0.3736

Square

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



36.6323, 0.2215, 0.2426



36.6323, 0.3690, 0.2867



36.6323, 0.4087, 0.4133



36.6323, 0.2548, 0.3757

Rectangle

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



36.6323, 0.2215, 0.2426



36.6323, 0.2907, 0.2476



36.6323, 0.4087, 0.4133



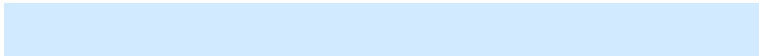
36.6323, 0.3261, 0.4306

Sweetspot

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



36.6336, 0.2215, 0.2426



79.5745, 0.2843, 0.3067



62.0823, 0.2756, 0.4333



16.3941, 0.2796, 0.3027



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.



36.6336, 0.2215, 0.2426



38.6320, 0.2059, 0.2210



17.9375, 0.2011, 0.1497



15.1704, 0.2981, 0.3179



11.6763, 0.1811, 0.1718



1.0482, 0.1880, 0.1966

Inverse Universe

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



28.2433, 0.3915, 0.2495



29.5119, 0.4165, 0.2392



71.2954, 0.3995, 0.4609



14.4976, 0.3208, 0.3164



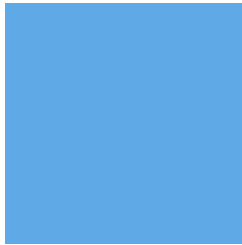
10.3764, 0.4785, 0.2409



0.7855, 0.4492, 0.2248

Previews

White Background



This preview shows how the Yxy color 36.6323, 0.2215, 0.2426 looks on a white background.

Color Contrast Check

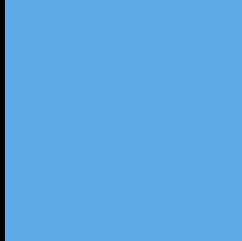
Large Text (above 18pt) WCAG AA × Fail

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 36.6323, 0.2215, 0.2426 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

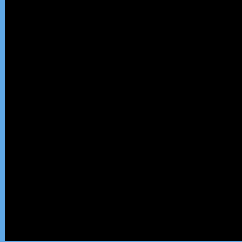
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

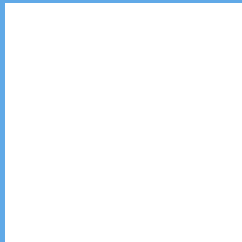
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 36.6323, 0.2215, 0.2426

Background



This preview shows how black text looks on a background with the Yxy color 36.6323, 0.2215, 0.2426.

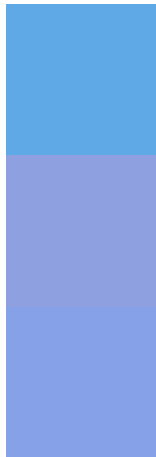


This preview shows how white text looks on a background with the Yxy color 36.6323, 0.2215, 0.2426.

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

36.6323, 0.2215, 0.2426

Protanopia

36.3631, 0.2502, 0.2436

Deuteranopia

36.5238, 0.2398, 0.2339



Tritanopia

36.4745, 0.2356, 0.3053

Trichromacy



Original Color

36.6323, 0.2215, 0.2426

Protanomaly

36.1761, 0.2379, 0.2419

Deuteranomaly

36.4421, 0.2325, 0.2372

Tritanomaly

36.2747, 0.2296, 0.2792

Monochromacy



Original Color

36.6323, 0.2215, 0.2426

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

33.1602, 0.2707, 0.2942

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.6323, 0.2215, 0.2426 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(96, 169, 231)` looks like.

```
.text, #text, p{  
    color:rgb(96, 169, 231)  
}
```

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(96, 169, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 169, 231) }
```

Border

The CSS property to change the border of an element to Yxy 36.6323, 0.2215, 0.2426 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(96, 169, 231) }
```

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

```
.border{ border-color:rgb(96, 169, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 169, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 169, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 169, 231);  
box-shadow:4px 4px 4px 4px rgb(96, 169,  
231) }
```


Background

The CSS property to change the background color of an element to Yxy 36.6323, 0.2215, 0.2426 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 169, 231) }
```

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

```
.background{ background-color: rgb(96, 169,  
231) }
```

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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