

Converting Colors

$Y_{xy}(36.1244, 0.2092, 0.2354)$

Have a look what the booklet for
Yxy(36.1244, 0.2092, 0.2354)
contains.

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Color

Yxy(36.1291, 0.2090, 0.2351)

Conversions

Conversions Part 1

Format	Color
Hex	45AAED
RGB	69, 170, 237
RGB Percent	27%, 67%, 93%
CMY	0.7294, 0.3333, 0.0704
CMYK	0.71, 0.28, 0.00, 0.07
HSL	204°, 82%, 60%
HSV	204°, 71%, 93%
XYZ	32.1182, 36.1291, 85.4282
YIQ	147.4390, -81.7030, -0.5750

Conversions

Conversions Part 2

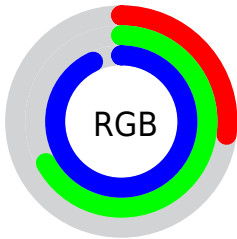
Format	Color
RYB	69, 132, 237
Decimal	4565741
CIELab	66.62, -7.85, -42.02
CIELCh	67, 42.745, 259.417
Yxy	36.1291, 0.2090, 0.2351
Android (android.graphics.Color)	4282755821 (0xFF45AAED)
YUV	147.4390, 44.1536, -68.7910
Hunter-Lab	60.1075, -9.8074, -42.1911

Details

The Yxy color **36.1291, 0.2090, 0.2351** is a light color, and the websafe version is hex **3399CC**. The color can be described as light muted azure. A complement of this color would be **36.0572, 0.4920, 0.3958**, and the grayscale version is **29.2080, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.3047, 0.2440, 0.2935**, and **16.2931, 0.1920, 0.2111** is the 20% darker color. If you saturate the color by 10%, you get **32.0111, 0.1992, 0.2195**, and if you desaturate by 10%, it is **40.8506, 0.2208, 0.2507**.

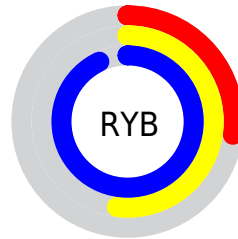
Distribution



Red (27%)

Green (67%)

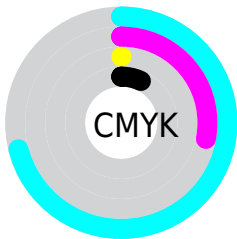
Blue (93%)



Red (27%)

Yellow (52%)

Blue (93%)

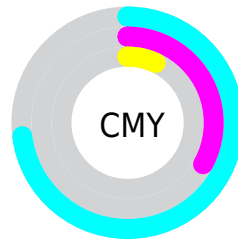


Cyan (71%)

Magenta (28%)

Yellow (0%)

Black (7%)



Cyan (73%)


Magenta (33%)


Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.1291, 0.2090, 0.2351 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 36.1291, 0.2090, 0.2351 by changing the saturation by 10% instead.


 36.1291, 0.2090,
0.2351


 36.1291, 0.2090,
0.2351


329.5245, 0.2602,
0.2826


 24.5339, 0.1968,
0.2235


 69.2313, 0.2272,
0.2523


 15.7302, 0.1817,
0.2088


 91.5071, 0.2342,
0.2587

 9.3334, 0.1624,
0.1899


 118.1119, 0.2401,
0.2642

 4.9593, 0.1375,
0.1650

 149.4300, 0.2453,
0.2690

 2.2234, 0.1052,
0.1315

185.8460, 0.2497,
0.2731

 0.7327, 0.0596,
0.0865

227.7441, 0.2536,

 0.0000, 0.0000,

0.2766

0.0000

275.5088, 0.2571,
0.2798

■ 36.1291, 0.2090,
0.2351

■ 36.1291, 0.2090,
0.2351

■ 32.0111, 0.1992,
0.2195

■ 40.8506, 0.2208,
0.2507

■ 28.4434, 0.1915,
0.2041

■ 46.2138, 0.2342,
0.2658

■ 25.6041, 0.1863,
0.1905

■ 52.2570, 0.2489,
0.2803

■ 59.0140, 0.2643,
0.2939

■ 66.5155, 0.2800,
0.3064

■ 74.7905, 0.2958,
0.3178

■ 83.8658, 0.3113,
0.3281

■ 93.0736, 0.3240,
0.3374

■ 98.8965, 0.3232,
0.3463

Harmonies

Analogous

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



36.1291, 0.1980, 0.2659



36.1291, 0.2090, 0.2351



36.1291, 0.2447, 0.2289

Triad

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



36.1291, 0.2090, 0.2351



36.1291, 0.4222, 0.3220



36.1291, 0.3128, 0.4384

Complementary

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



36.1291, 0.2090, 0.2351



36.0572, 0.4920, 0.3958

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.



36.1291, 0.3751, 0.4459



36.1291, 0.2090, 0.2351



36.1291, 0.4424, 0.3715

Square

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



36.1291, 0.2090, 0.2351



36.1291, 0.3682, 0.2772



36.1291, 0.4235, 0.4173



36.1291, 0.2537, 0.3890

Rectangle

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



36.1291, 0.2090, 0.2351



36.1291, 0.2808, 0.2370



36.1291, 0.4235, 0.4173



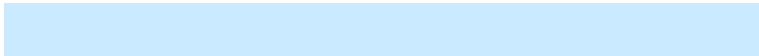
36.1291, 0.3341, 0.4459

Sweetspot

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



36.1303, 0.2090, 0.2351



78.3393, 0.2797, 0.3062



63.5588, 0.2778, 0.4771



16.2242, 0.2754, 0.3028



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.



36.1303, 0.2090, 0.2351



35.8388, 0.1955, 0.2126



14.4596, 0.1810, 0.1230



16.0551, 0.2981, 0.3194



14.2379, 0.1869, 0.1929



1.3053, 0.1927, 0.2137

Inverse Universe

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



25.1683, 0.4028, 0.2287



25.5093, 0.4295, 0.2234



68.2883, 0.4208, 0.4715



15.2061, 0.3199, 0.3149



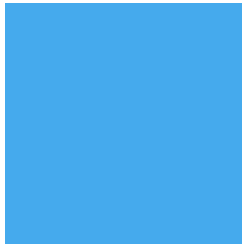
10.9301, 0.4534, 0.2271



0.8772, 0.4300, 0.2143

Previews

White Background



This preview shows how the Yxy color 36.1291, 0.2090, 0.2351 looks on a white background.

Color Contrast Check

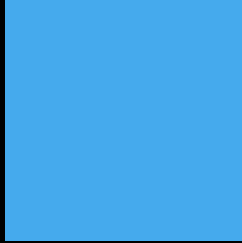
Large Text (above 18pt) WCAG AA × Fail

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 36.1291, 0.2090, 0.2351 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

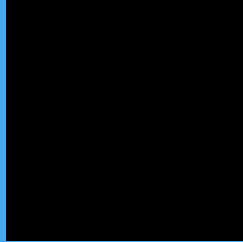
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

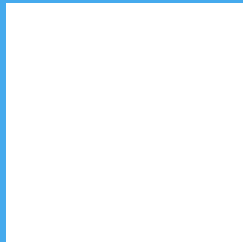
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 36.1291, 0.2090, 0.2351

Background



This preview shows how black text looks on a background with the Yxy color 36.1291, 0.2090, 0.2351.



This preview shows how white text looks on a background with the Yxy color 36.1291, 0.2090, 0.2351.

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

36.1291, 0.2090, 0.2351

Protanopia

35.8867, 0.2449, 0.2372

Deuteranopia

35.8092, 0.2309, 0.2249



Tritanopia

36.0144, 0.2214, 0.3047

Trichromacy



Original Color

36.1291, 0.2090, 0.2351

Protanomaly

35.5413, 0.2287, 0.2359

Deuteranomaly

35.7272, 0.2211, 0.2287

Tritanomaly

35.8442, 0.2158, 0.2766

Monochromacy



Original Color

36.1291, 0.2090, 0.2351

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

30.6599, 0.2604, 0.2896

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.1291, 0.2090, 0.2351 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(69, 170, 237)` looks like.

```
.text, #text, p{  
  color:rgb(69, 170, 237)  
}
```

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(69, 170, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 170, 237) }
```

Border

The CSS property to change the border of an element to Yxy 36.1291, 0.2090, 0.2351 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(69, 170, 237) }
```

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

```
.border{ border-color:rgb(69, 170, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 170, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 170, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 170, 237);  
box-shadow:4px 4px 4px 4px rgb(69, 170,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 36.1291, 0.2090, 0.2351 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 170, 237) }
```

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

```
.background{ background-color: rgb(69, 170,  
237) }
```

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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