

Converting Colors

$Y_{xy}(40.3985, 0.2295, 0.2477)$

Have a look what the booklet for
Yxy(40.3985, 0.2295, 0.2477)
contains.

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Color

Yxy(40.2935, 0.2297, 0.2474)

Conversions

Conversions Part 1

Format	Color
Hex	72AFEC
RGB	114, 175, 236
RGB Percent	45%, 69%, 93%
CMY	0.5529, 0.3137, 0.0745
CMYK	0.52, 0.26, 0.00, 0.07
HSL	210°, 76%, 69%
HSV	210°, 52%, 93%
XYZ	37.4107, 40.2935, 85.1636
YIQ	163.7150, -55.9370, 6.0390

Conversions

Conversions Part 2

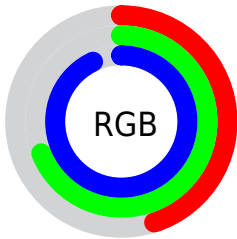
Format	Color
RYB	114, 155, 236
Decimal	7516140
CIELab	69.68, -2.87, -36.55
CIElCh	70, 36.665, 265.505
Yxy	40.2935, 0.2297, 0.2474
Android (android.graphics.Color)	4285706220 (0xFF72AFEC)
YUV	163.7150, 35.6365, -43.6001
Hunter-Lab	63.4772, -5.8847, -35.1119

Details

The Yxy color **40.2935, 0.2297, 0.2474** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **49.7146, 0.4223, 0.3964**, and the grayscale version is **36.8317, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.5843, 0.2627, 0.3009**, and **18.2181, 0.2077, 0.2254** is the 20% darker color. If you saturate the color by 10%, you get **34.5160, 0.2149, 0.2281**, and if you desaturate by 10%, it is **46.8836, 0.2455, 0.2659**.

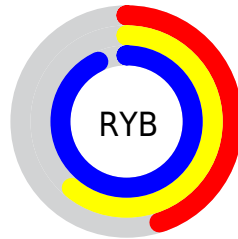
Distribution



Red (45%)

Green (69%)

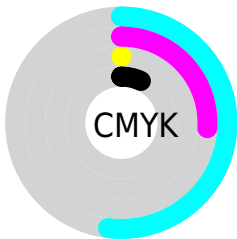
Blue (93%)



Red (45%)

Yellow (61%)

Blue (93%)

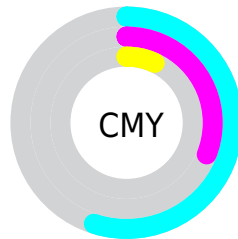


Cyan (52%)

Magenta (26%)

Yellow (0%)

Black (7%)



Cyan (55%)

Magenta (31%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 40.2935, 0.2297, 0.2474 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 40.2935, 0.2297, 0.2474 by changing the saturation by 10% instead.

■ 40.2935, 0.2297,
0.2474

■ 40.2935, 0.2297,
0.2474

■ 347.3591, 0.2706,
0.2880

■ 27.7675, 0.2199,
0.2375

■ 75.6102, 0.2443,
0.2620

■ 18.1504, 0.2075,
0.2251

■ 99.1697, 0.2499,
0.2675

■ 11.0580, 0.1917,
0.2091

■ 127.1758, 0.2546,
0.2722

■ 6.1059, 0.1707,
0.1877

■ 160.0129, 0.2587,
0.2763

■ 2.9096, 0.1423,
0.1585

■ 198.0654, 0.2623,
0.2798

■ 1.0847, 0.1033,
0.1176

■ 241.7176, 0.2654,

■ 0.0000, 0.0000,

0.2829

0.0000

291.3541, 0.2682,
0.2856

■ 40.2935, 0.2297,
0.2474

■ 40.2935, 0.2297,
0.2474

■ 34.5160, 0.2149,
0.2281

■ 46.8836, 0.2455,
0.2659

■ 29.5045, 0.2018,
0.2083

■ 54.3206, 0.2619,
0.2833

■ 25.2129, 0.1907,
0.1888


■ 62.6413, 0.2783,
0.2993

■ 21.5858, 0.1820,
0.1700

■ 71.8792, 0.2945,
0.3139

■ 19.0100, 0.1764,
0.1552

■ 82.0653, 0.3101,
0.3269

 93.1125, 0.3246,
0.3386

 98.8363, 0.3238,
0.3473

Harmonies

Analogous

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



40.2935, 0.2158, 0.2701



40.2935, 0.2297, 0.2474



40.2935, 0.2645, 0.2454

Triad

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



40.2935, 0.2297, 0.2474



40.2935, 0.4091, 0.3327



40.2935, 0.3032, 0.4120

Complementary

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



40.2935, 0.2297, 0.2474



49.7146, 0.4223, 0.3964

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.



40.2935, 0.3559, 0.4269



40.2935, 0.2297, 0.2474



40.2935, 0.4198, 0.3748

Square

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



40.2935, 0.2297, 0.2474



40.2935, 0.3694, 0.2928



40.2935, 0.3992, 0.4104



40.2935, 0.2554, 0.3674

Rectangle

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



40.2935, 0.2297, 0.2474



40.2935, 0.2971, 0.2545



40.2935, 0.3992, 0.4104



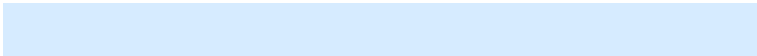
40.2935, 0.3209, 0.4208

Sweetspot

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



40.2950, 0.2297, 0.2474



80.7327, 0.2875, 0.3077



66.6661, 0.2751, 0.4105



16.7949, 0.2841, 0.3047



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.



40.2950, 0.2297, 0.2474



40.7832, 0.2141, 0.2269



21.6725, 0.2132, 0.1644



15.7932, 0.2981, 0.3169



10.7376, 0.1772, 0.1580



1.0356, 0.1842, 0.1830

Inverse Universe

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



32.9664, 0.3847, 0.2623



32.9231, 0.4076, 0.2516



79.0408, 0.3880, 0.4535



15.1797, 0.3215, 0.3173



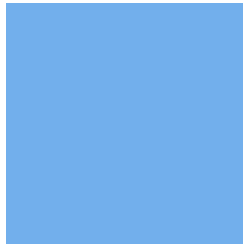
10.5768, 0.4956, 0.2504



0.8500, 0.4649, 0.2335

Previews

White Background



This preview shows how the Yxy color 40.2935, 0.2297, 0.2474 looks on a white background.

Color Contrast Check

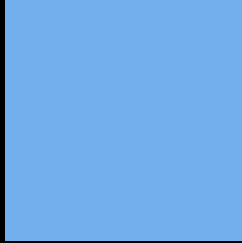
Large Text (above 18pt) WCAG AA × Fail

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 40.2935, 0.2297, 0.2474 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

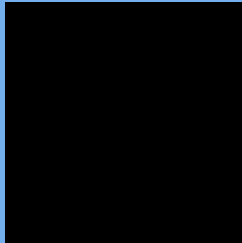
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

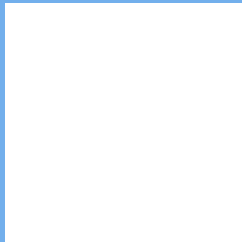
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.2935, 0.2297, 0.2474

Background



This preview shows how black text looks on a background with the Yxy color 40.2935, 0.2297, 0.2474.



This preview shows how white text looks on a background with the Yxy color 40.2935, 0.2297, 0.2474.

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

40.2935, 0.2297, 0.2474

Protanopia

39.9299, 0.2535, 0.2477

Deuteranopia

40.2893, 0.2457, 0.2397



Tritanopia

40.2538, 0.2450, 0.3065

Trichromacy



Original Color

40.2935, 0.2297, 0.2474

Protanomaly

39.9789, 0.2443, 0.2477

Deuteranomaly

40.3086, 0.2393, 0.2431

Tritanomaly

40.0075, 0.2392, 0.2829

Monochromacy



Original Color

40.2935, 0.2297, 0.2474

Achromatopsia

37.1238, 0.3127, 0.3290

Achromatomaly

37.8340, 0.2765, 0.2976

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.2935, 0.2297, 0.2474 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(114, 175, 236)` looks like.

```
.text, #text, p{  
    color:rgb(114, 175, 236)  
}
```

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(114, 175, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 175, 236) }
```

Border

The CSS property to change the border of an element to Yxy 40.2935, 0.2297, 0.2474 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(114, 175, 236) }
```

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

```
.border{ border-color:rgb(114, 175, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 175, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 175, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 175, 236);  
box-shadow:4px 4px 4px 4px rgb(114, 175,  
236) }
```


Background

The CSS property to change the background color of an element to Yxy 40.2935, 0.2297, 0.2474 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 175, 236) }
```

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

```
.background{ background-color: rgb(114,  
175, 236) }
```

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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