

Converting Colors

$Yxy(36.9580, 0.2267, 0.2351)$

Have a look what the booklet for
Yxy(36.9580, 0.2267, 0.2351)
contains.

Yxy(36.8393, 0.2266, 0.2346)	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(36.8393, 0.2266, 0.2346)

Conversions

Conversions Part 1

Format	Color
Hex	71A6EC
RGB	113, 166, 236
RGB Percent	44%, 65%, 93%
CMY	0.5571, 0.3490, 0.0744
CMYK	0.52, 0.30, 0.00, 0.07
HSL	214°, 76%, 68%
HSV	214°, 52%, 93%
XYZ	35.5831, 36.8393, 84.6079
YIQ	158.1330, -54.0580, 10.5340

Conversions

Conversions Part 2

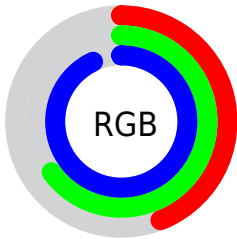
Format	Color
R _Y B	113, 150, 236
Decimal	7448300
CIE Lab	67.16, 1.93, -40.50
CIE LCh	67, 40.544, 272.727
Yxy	36.8393, 0.2266, 0.2346
Android (android.graphics.Color)	4285638380 (0xFF71A6EC)
YUV	158.1330, 38.3884, -39.5816
Hunter-Lab	60.6954, -1.5702, -40.1621

Details

The Yxy color **36.8393, 0.2266, 0.2346** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **52.8758, 0.4182, 0.4057**, and the grayscale version is **34.0921, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.5908, 0.2608, 0.2904**, and **16.0337, 0.2026, 0.2079** is the 20% darker color. If you saturate the color by 10%, you get **30.8449, 0.2109, 0.2125**, and if you desaturate by 10%, it is **43.7528, 0.2433, 0.2559**.

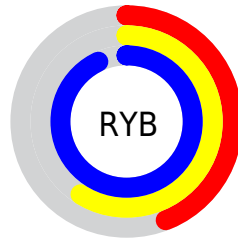
Distribution



Red (44%)

Green (65%)

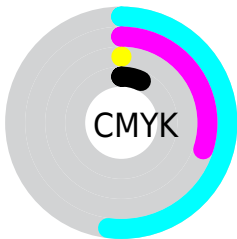
Blue (93%)



Red (44%)

Yellow (59%)

Blue (93%)

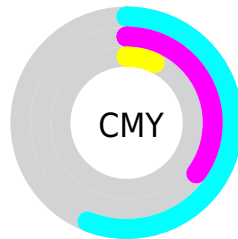


Cyan (52%)

Magenta (30%)

Yellow (0%)

Black (7%)



Cyan (56%)

Magenta (35%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 36.8393, 0.2266, 0.2346 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 36.8393, 0.2266, 0.2346 by changing the saturation by 10% instead.

■ 36.8393, 0.2266,
0.2346

■ 36.8393, 0.2266,
0.2346

■ 332.6143, 0.2696,
0.2815

■ 25.0831, 0.2162,
0.2233

■ 70.3256, 0.2421,
0.2514

■ 16.1390, 0.2030,
0.2091

■ 92.8244, 0.2479,
0.2578

■ 9.6225, 0.1861,
0.1909

■ 119.6729, 0.2529,
0.2632

■ 5.1494, 0.1637,
0.1669

■ 151.2555, 0.2572,
0.2679

■ 2.3352, 0.1334,
0.1348

■ 187.9565, 0.2609,
0.2720

■ 0.7922, 0.0923,
0.0914

■ 230.1604, 0.2642,

■ 0.0000, 0.0000,

0.2755

0.0000

278.2515, 0.2671,
0.2787

■ 36.8393, 0.2266,
0.2346

■ 36.8393, 0.2266,
0.2346

■ 30.8449, 0.2109,
0.2125

■ 43.7528, 0.2433,
0.2559

■ 25.7179, 0.1968,
0.1901

■ 51.6251, 0.2603,
0.2759

■ 21.4061, 0.1850,
0.1683


■ 60.4981, 0.2773,
0.2943

■ 17.8476, 0.1758,
0.1478

■ 70.4097, 0.2937,
0.3111

■ 15.5139, 0.1703,
0.1329

■ 81.3953, 0.3095,
0.3260

 93.4890, 0.3243,
0.3393

 98.8374, 0.3238,
0.3473

Harmonies

Analogous

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



36.8393, 0.2054, 0.2536



36.8393, 0.2266, 0.2346



36.8393, 0.2703, 0.2380

Triad

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



36.8393, 0.2266, 0.2346



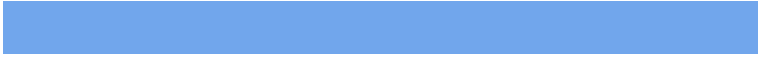
36.8393, 0.4290, 0.3436



36.8393, 0.2870, 0.4150

Complementary

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



36.8393, 0.2266, 0.2346



52.8758, 0.4182, 0.4057

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.



36.8393, 0.3467, 0.4408



36.8393, 0.2266, 0.2346



36.8393, 0.4316, 0.3902

Square

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



36.8393, 0.2266, 0.2346



36.8393, 0.3905, 0.2980



36.8393, 0.4001, 0.4278



36.8393, 0.2372, 0.3576

Rectangle

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



36.8393, 0.2266, 0.2346



36.8393, 0.3092, 0.2512



36.8393, 0.4001, 0.4278



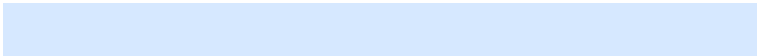
36.8393, 0.3066, 0.4281

Sweetspot

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



36.8406, 0.2266, 0.2346



79.1422, 0.2874, 0.3047



66.9162, 0.2707, 0.3998



16.4168, 0.2840, 0.3013



0.0000, 0.0000, 0.0000



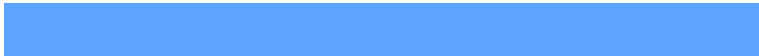
21.4041, 0.3127, 0.3290

Same Dimension

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



36.8406, 0.2266, 0.2346



36.0322, 0.2092, 0.2100



21.9307, 0.2177, 0.1649



15.6171, 0.2980, 0.3152



8.7959, 0.1711, 0.1359



0.8785, 0.1786, 0.1628

Inverse Universe

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



32.3878, 0.3962, 0.2708



31.9943, 0.4246, 0.2616



77.6583, 0.3824, 0.4575



15.1619, 0.3225, 0.3189



10.3808, 0.5246, 0.2664



0.8341, 0.4896, 0.2471

Previews

White Background



This preview shows how the Yxy color 36.8393, 0.2266, 0.2346 looks on a white background.

Color Contrast Check

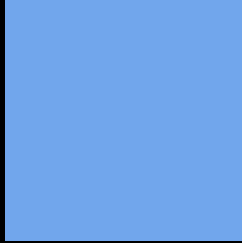
Large Text (above 18pt) WCAG AA × Fail

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 36.8393, 0.2266, 0.2346 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

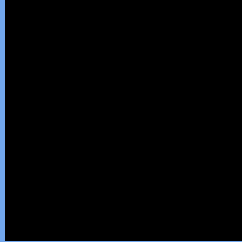
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

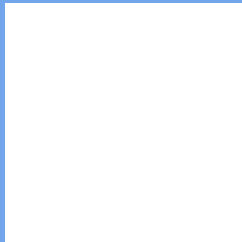
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 36.8393, 0.2266, 0.2346

Background



This preview shows how black text looks on a background with the Yxy color 36.8393, 0.2266, 0.2346.



This preview shows how white text looks on a background with the Yxy color 36.8393, 0.2266, 0.2346.

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

36.8393, 0.2266, 0.2346

Protanopia

36.4866, 0.2440, 0.2355

Deuteranopia

36.8606, 0.2360, 0.2306



Tritanopia

36.8755, 0.2453, 0.3072

Trichromacy



Original Color

36.8393, 0.2266, 0.2346

Protanomaly

36.4697, 0.2369, 0.2345

Deuteranomaly

36.6688, 0.2320, 0.2310

Tritanomaly

36.8448, 0.2382, 0.2788

Monochromacy



Original Color

36.8393, 0.2266, 0.2346

Achromatopsia

34.1914, 0.3127, 0.3290

Achromatomaly

34.7857, 0.2753, 0.2923

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.8393, 0.2266, 0.2346 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(113, 166, 236)` looks like.

```
.text, #text, p{  
    color:rgb(113, 166, 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(113, 166, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 166, 236) }
```

Border

The CSS property to change the border of an element to Yxy 36.8393, 0.2266, 0.2346 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(113, 166, 236) }
```

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

```
.border{ border-color:rgb(113, 166, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 166, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 166, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 166, 236);  
box-shadow:4px 4px 4px 4px rgb(113, 166,  
236) }
```


Background

The CSS property to change the background color of an element to Yxy 36.8393, 0.2266, 0.2346 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 166, 236) }
```

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

```
.background{ background-color: rgb(113,  
166, 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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