

# Converting Colors

$Y_{xy}(36.6320, 0.2252, 0.2374)$

Have a look what the booklet for  
Yxy(36.6320, 0.2252, 0.2374)  
contains.

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# Color

**Yxy(36.7661, 0.2253, 0.2376)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6CA7EA
RGB	108, 167, 234
RGB Percent	42%, 65%, 92%
CMY	0.5761, 0.3451, 0.0823
CMYK	0.54, 0.29, 0.00, 0.08
HSL	212°, 75%, 67%
HSV	212°, 54%, 92%
XYZ	34.8628, 36.7661, 83.1106
YIQ	156.9970, -56.6710, 8.3290

# Conversions

## Conversions Part 2

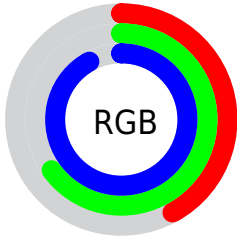
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	108, 148, 234
Decimal	7120874
CIE Lab	67.10, -0.28, -39.50
CIE LCh	67, 39.503, 269.592
Yxy	36.7661, 0.2253, 0.2376
Android (android.graphics.Color)	4285310954 (0xFF6CA7EA)
YUV	156.9970, 37.9625, -42.9704
Hunter-Lab	60.6351, -3.4808, -38.8224

# Details

The Yxy color **36.7661, 0.2253, 0.2376** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **49.2820, 0.4253, 0.4031**, and the grayscale version is **33.5694, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.5695, 0.2582, 0.2913**, and **16.0113, 0.2011, 0.2117** is the 20% darker color. If you saturate the color by 10%, you get **31.1449, 0.2104, 0.2168**, and if you desaturate by 10%, it is **43.2233, 0.2414, 0.2576**.

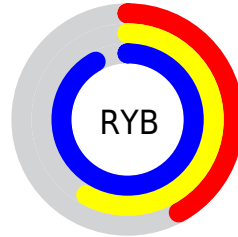
# Distribution



Red (42%)

Green (65%)

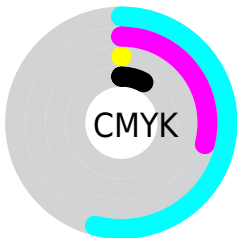
Blue (92%)



Red (42%)

Yellow (58%)

Blue (92%)

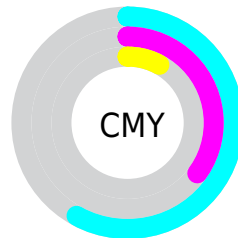


Cyan (54%)

Magenta (29%)

Yellow (0%)

Black (8%)



Cyan (58%)

Magenta (35%)

Yellow (8%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 36.7661, 0.2253, 0.2376 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 36.7661, 0.2253, 0.2376 by changing the saturation by 10% instead.



■ 36.7661, 0.2253,  
0.2376

■ 36.7661, 0.2253,  
0.2376

■ 332.2968, 0.2689,  
0.2833

■ 25.0264, 0.2147,  
0.2265

■ 70.2129, 0.2410,  
0.2540

■ 16.0968, 0.2014,  
0.2125

■ 92.6888, 0.2469,  
0.2603

■ 9.5926, 0.1842,  
0.1945

■ 119.5123, 0.2520,  
0.2655

■ 5.1297, 0.1615,  
0.1707

■ 151.0677, 0.2563,  
0.2701

■ 2.3236, 0.1309,  
0.1385

■ 187.7395, 0.2601,  
0.2740

■ 0.7861, 0.0890,  
0.0945

■ 229.9120, 0.2634,

■ 0.0000, 0.0000,

0.2775

0.0000

277.9696, 0.2663,  
0.2805

■ 36.7661, 0.2253,  
0.2376

■ 36.7661, 0.2253,  
0.2376

■ 31.1449, 0.2104,  
0.2168

■ 43.2233, 0.2414,  
0.2576

■ 26.3111, 0.1971,  
0.1959

■ 50.5531, 0.2580,  
0.2765

■ 22.2157, 0.1861,  
0.1753

■ 58.7943, 0.2747,  
0.2939


■ 18.7997, 0.1777,  
0.1559


■ 67.9817, 0.2911,  
0.3097

■ 16.9769, 0.1735,  
0.1446

■ 78.1483, 0.3069,  
0.3240

 89.3252, 0.3219,  
0.3367

 98.1961, 0.3251,  
0.3485

 98.7213, 0.3250,  
0.3493

# Harmonies

## Analogous

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



36.7661, 0.2070, 0.2587



36.7661, 0.2253, 0.2376



36.7661, 0.2660, 0.2387

# Triad

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



36.7661, 0.2253, 0.2376



36.7661, 0.4236, 0.3387



36.7661, 0.2937, 0.4170

# Complementary

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



36.7661, 0.2253, 0.2376



49.2820, 0.4253, 0.4031

# 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.



36.7661, 0.3521, 0.4382



36.7661, 0.2253, 0.2376



36.7661, 0.4301, 0.3845

# Square

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



36.7661, 0.2253, 0.2376



36.7661, 0.3830, 0.2945



36.7661, 0.4026, 0.4226



36.7661, 0.2433, 0.3634



# Rectangle

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



36.7661, 0.2253, 0.2376



36.7661, 0.3031, 0.2504



36.7661, 0.4026, 0.4226



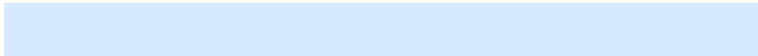
36.7661, 0.3130, 0.4285

# Sweetspot

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



36.7674, 0.2253, 0.2376



79.9851, 0.2874, 0.3063



65.0696, 0.2730, 0.4115



16.6171, 0.2841, 0.3031



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

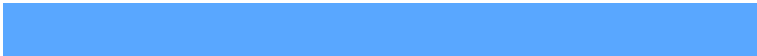


# Same Dimension

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



36.7674, 0.2253, 0.2376



36.9129, 0.2083, 0.2137



20.0108, 0.2101, 0.1576



15.7106, 0.2980, 0.3161



9.7859, 0.1743, 0.1474



0.9594, 0.1815, 0.1735



# Inverse Universe

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



31.0270, 0.3942, 0.2643



31.2283, 0.4218, 0.2544



77.0795, 0.3890, 0.4585



15.1713, 0.3220, 0.3180



10.4807, 0.5093, 0.2579

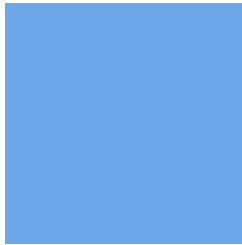


0.8423, 0.4764, 0.2398



# Previews

## White Background



This preview shows how the Yxy color 36.7661, 0.2253, 0.2376 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 36.7661, 0.2253, 0.2376 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

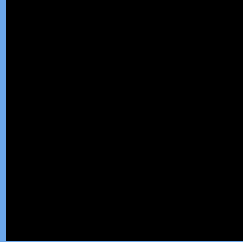
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

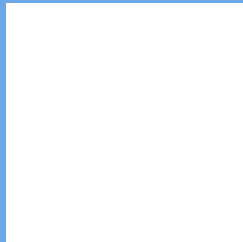
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 36.7661, 0.2253, 0.2376**

## **Background**



This preview shows how black text looks on a background with the Yxy color 36.7661, 0.2253, 0.2376.



This preview shows how white text looks on a background with the Yxy color 36.7661, 0.2253, 0.2376.

# 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

36.7661, 0.2253, 0.2376

### Protanopia

36.4615, 0.2458, 0.2378

### Deuteranopia

36.4744, 0.2375, 0.2315



## Tritanopia

36.6530, 0.2421, 0.3056

# Trichromacy



**Original Color**

36.7661, 0.2253, 0.2376

**Protanomaly**

36.6310, 0.2376, 0.2379

**Deuteranomaly**

36.4776, 0.2325, 0.2329

**Tritanomaly**

36.5579, 0.2356, 0.2784

# Monochromacy



**Original Color**

36.7661, 0.2253, 0.2376

**Achromatopsia**

33.7164, 0.3127, 0.3290

**Achromatomaly**

34.4815, 0.2736, 0.2935

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 36.7661, 0.2253, 0.2376 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(108, 167, 234)` looks like.

```
.text, #text, p{  
    color:rgb(108, 167, 234)  
}
```

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(108, 167, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 167, 234) }
```

## Border

The CSS property to change the border of an element to Yxy 36.7661, 0.2253, 0.2376 is called "border". The border property can be set on classes, ids or directly on the HTML element.

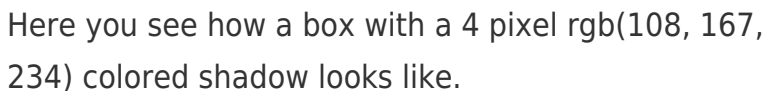
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(108, 167, 234) }
```

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

```
.border{ border-color:rgb(108, 167, 234) }
```

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



Here you see how a box with a 4 pixel `rgb(108, 167, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(108, 167, 234); -webkit-box-shadow:4px 4px 4px 4px rgb(108, 167, 234); box-shadow:4px 4px 4px 4px rgb(108, 167, 234) }
```



# Background

The CSS property to change the background color of an element to Yxy 36.7661, 0.2253, 0.2376 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 167, 234) }
```

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

```
.background{ background-color: rgb(108,  
167, 234) }
```

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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