

# Converting Colors

XYZ(36.9606, 37.7926, 65.7332)

Have a look what the booklet for  
XYZ(36.9606, 37.7926, 65.7332)  
contains.

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# Color

**XYZ(36.8178, 37.6247,  
65.6434)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	92A5D1
RGB	146, 165, 209
RGB Percent	57%, 65%, 82%
CMY	0.4274, 0.3529, 0.1804
CMYK	0.30, 0.21, 0.00, 0.18
HSL	222°, 41%, 70%
HSV	222°, 30%, 82%
XYZ	36.8178, 37.6247, 65.6434
YIQ	164.3350, -25.4480, 9.6560

# Conversions

## Conversions Part 2

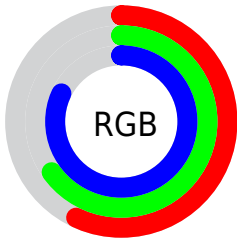
<b>Format</b>	<b>Color</b>
<b>RYB</b>	146, 161, 209
Decimal	9610705
CIELab	67.74, 3.52, -24.57
CIELCh	68, 24.822, 278.154
Yxy	37.6247, 0.2628, 0.2686
Android (android.graphics.Color)	4287800785 (0xFF92A5D1)
YUV	164.3350, 22.0198, -16.0798
Hunter-Lab	61.3390, -0.2013, -20.5134

# Details

The XYZ color **36.8178, 37.6247, 65.6434** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **49.8969, 52.4580, 34.6908**, and the grayscale version is **35.3541, 37.1953, 40.5057**.

A 20% lighter version of the original color is **67.7306, 70.8239, 104.7083**, and **16.3540, 16.5230, 32.8992** is the 20% darker color. If you saturate the color by 10%, you get **30.9526, 30.9139, 64.6579**, and if you desaturate by 10%, it is **43.6652, 45.2896, 66.7626**.

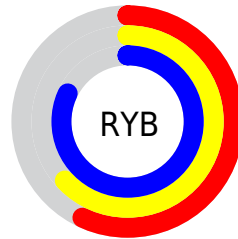
# Distribution



Red (57%)

Green (65%)

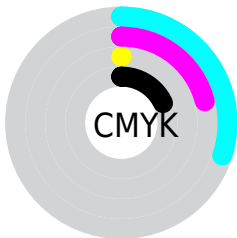
Blue (82%)



Red (57%)

Yellow (63%)

Blue (82%)

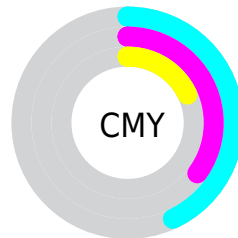


Cyan (30%)

Magenta (21%)

Yellow (0%)

Black (18%)



Cyan (43%)

Magenta (35%)

Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 36.8178, 37.6247, 65.6434 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 XYZ color 36.8178, 37.6247, 65.6434 by changing the saturation by 10% instead.



■ 36.8178, 37.6247,  
65.6434

■ 36.8178, 37.6247,  
65.6434

323.8903,  
336.0073, 463.4698

■ 25.2395, 25.6915,  
47.5283

■ 69.6081, 71.5325,  
114.5965

■ 16.3852, 16.5930,  
33.0962

■ 91.5508, 94.2760,  
146.2716

■ 9.8897, 9.9448,  
21.9284

117.6791,  
121.3917, 183.3037

■ 5.3876, 5.3623,  
13.6065

148.3582,  
153.2640, 226.1115

■ 2.5135, 2.4614,  
7.7119

183.9535,  
190.2773, 275.1135

■ 0.9021, 0.8572,  
3.8260

224.8303,

■ 0.0000, 0.0000,

232.8160, 330.7282

1.5304

271.3542,  
281.2646, 393.3741

■ 0.0000, 0.0000,  
0.2404

■ 0.0000, 0.0000,  
0.0000

■ 36.8178, 37.6247,  
65.6434

■ 36.8178, 37.6247,  
65.6434

■ 30.9526, 30.9139,  
64.6579

■ 43.6652, 45.2896,  
66.7626

■ 26.0187, 25.1136,  
63.7983

■ 51.5348, 53.9409,  
68.0177

■ 21.9661, 20.1830,  
63.0602

■ 60.4690, 63.6149,  
69.4141

■ 18.7385, 16.0764,  
62.4377

■ 70.5065, 74.3446,  
70.9561

■ 16.2723, 12.7431,  
61.9243

■ 81.6842, 86.1615,  
72.6479

■ 14.4933, 10.1259,  
61.5129

■ 87.7424, 95.8508,  
74.1988

■ 13.2882, 8.1624,  
61.1974

■ 88.5087, 97.3835,  
74.4542

# Harmonies

## Analogous

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



33.0855, 37.6247, 63.8744



36.8178, 37.6247, 65.6434



40.5152, 37.6247, 59.9289

# Triad

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



36.8178, 37.6247, 65.6434



41.8819, 37.6247, 29.2512



29.3411, 37.6247, 33.5969

# Complementary

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



36.8178, 37.6247, 65.6434



49.8969, 52.4580, 34.6908

# 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.



31.3943, 37.6247, 26.4971



36.8178, 37.6247, 65.6434



38.5773, 37.6247, 24.3184

# Square

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



36.8178, 37.6247, 65.6434



43.5726, 37.6247, 38.0425



34.7249, 37.6247, 23.4091



28.9440, 37.6247, 44.0374



# Rectangle

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



36.8178, 37.6247, 65.6434



42.4014, 37.6247, 53.1571



34.7249, 37.6247, 23.4091



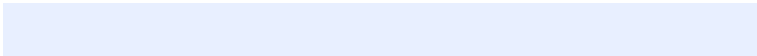
29.8531, 37.6247, 30.7993

# Sweetspot

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



36.8190, 37.6262, 65.6443



82.2032, 86.1007, 106.8943



43.8462, 55.3890, 56.5537



17.1785, 17.9752, 22.8141



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

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



36.8190, 37.6262, 65.6443



51.8015, 52.2401, 101.9609



35.8007, 32.3859, 64.6865



11.4502, 11.9907, 14.9546



8.2692, 5.1851, 37.7575



0.5320, 0.4291, 2.1344



# Inverse Universe

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



43.3659, 36.8308, 40.4223



63.7643, 51.2821, 55.7628



51.1336, 59.6082, 36.0058



11.9534, 11.8661, 13.0304



16.8047, 8.5947, 3.8775

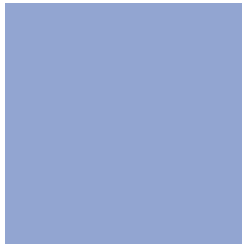


0.9747, 0.4946, 0.4018



# Previews

## White Background



This preview shows how the XYZ color 36.8178, 37.6247, 65.6434 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

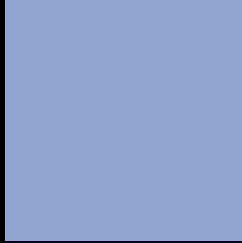
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 36.8178, 37.6247, 65.6434 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](#).

**XYZ 36.8178, 37.6247, 65.6434**

## **Background**



This preview shows how black text looks on a background with the XYZ color 36.8178, 37.6247, 65.6434.



This preview shows how white text looks on a background with the XYZ color 36.8178, 37.6247,

65.6434.

# 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

36.8178, 37.6247, 65.6434

### Protanopia

37.8088, 37.6185, 64.9429

### Deuteranopia

38.4578, 37.6619, 66.2153



## Tritanopia

33.7372, 37.7438, 50.3069

# Trichromacy



## Original Color

36.8178, 37.6247, 65.6434

## Protanomaly

37.4231, 37.6843, 64.9759

## Deuteranomaly

37.8669, 37.6198, 66.2383

## Tritanomaly

34.6724, 37.5618, 55.2919

# Monochromacy



## Original Color

36.8178, 37.6247, 65.6434

## Achromatopsia

35.2861, 37.1238, 40.4278

## Achromatomaly

35.4183, 37.0143, 48.4577

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 36.8178, 37.6247, 65.6434 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(146, 165, 209)` looks like.

```
.text, #text, p{  
    color:rgb(146, 165, 209)  
}
```

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(146, 165, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 165, 209) }
```

## Border

The CSS property to change the border of an element to XYZ 36.8178, 37.6247, 65.6434 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(146, 165, 209) }
```



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

```
.border{ border-color:rgb(146, 165, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 165, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 165, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 165, 209);  
box-shadow:4px 4px 4px 4px rgb(146, 165,  
209) }
```

# Background

The CSS property to change the background color of an element to XYZ 36.8178, 37.6247, 65.6434 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 165, 209) }
```

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

```
.background{ background-color: rgb(146,  
165, 209) }
```

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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