

# Converting Colors

XYZ(32.8975, 37.8230, 61.4471)

Have a look what the booklet for  
XYZ(32.8975, 37.8230, 61.4471)  
contains.

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# Color

**XYZ(32.9404, 37.9333,  
61.4628)**

# Conversions

## Conversions Part 1

Format	Color
Hex	75ADCA
RGB	117, 173, 202
RGB Percent	46%, 68%, 79%
CMY	0.5412, 0.3216, 0.2078
CMYK	0.42, 0.14, 0.00, 0.21
HSL	200°, 45%, 63%
HSV	200°, 42%, 79%
XYZ	32.9404, 37.9333, 61.4628
YIQ	159.5620, -42.6850, -2.8530

# Conversions

## Conversions Part 2

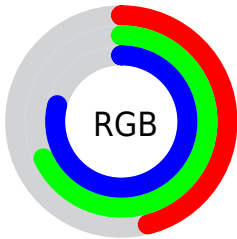
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	117, 151, 202
Decimal	7712202
CIE Lab	67.97, -10.74, -20.51
CIE LCh	68, 23.152, 242.373
Yxy	37.9333, 0.2489, 0.2866
Android (android.graphics.Color)	4285902282 (0xFF75ADCA)
YUV	159.5620, 20.9219, -37.3269
Hunter-Lab	61.5900, -12.3148, -16.0545

# Details

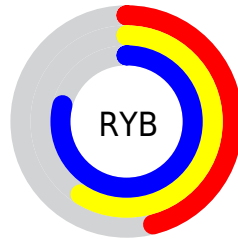
The XYZ color **32.9404, 37.9333, 61.4628** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **37.8478, 34.3997, 21.4760**, and the grayscale version is **33.1342, 34.8597, 37.9623**.

A 20% lighter version of the original color is **62.8067, 71.4775, 105.0940**, and **14.1693, 16.8370, 30.5200** is the 20% darker color. If you saturate the color by 10%, you get **29.2262, 34.1079, 60.9209**, and if you desaturate by 10%, it is **37.3108, 42.1999, 62.0567**.

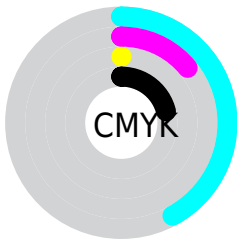
# Distribution



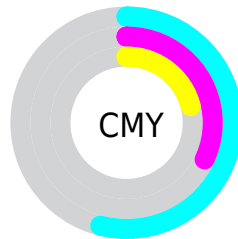
- Red (46%)
- Green (68%)
- Blue (79%)



- Red (46%)
- Yellow (59%)
- Blue (79%)



- Cyan (42%)
- Magenta (14%)
- Yellow (0%)
- Black (21%)



- Cyan (54%)
- Magenta (32%)
- Yellow (21%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 32.9404, 37.9333, 61.4628 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 32.9404, 37.9333, 61.4628 by changing the saturation by 10% instead.



■ 32.9404, 37.9333,  
61.4628

■ 32.9404, 37.9333,  
61.4628

307.0508,  
337.3338, 447.9223

■ 22.2398, 25.9309,  
44.1658

■ 63.6378, 72.0059,  
108.5128

■ 14.1508, 16.7720,  
30.4627

■ 84.3653, 94.8449,  
139.1029

■ 8.3080, 10.0720,  
19.9350

■ 109.1658,  
122.0649, 174.9610

■ 4.3461, 5.4468,  
12.1642

138.4046,  
154.0503, 216.5058

■ 1.8998, 2.5117,  
6.7317

172.4472,  
191.1855, 264.1558

■ 0.5767, 0.8825,  
3.2190

211.6589,

■ 0.0000, 0.0000,

233.8549, 318.3296

1.2075

256.4049,  
282.4428, 379.4455

■ 0.0000, 0.0000,  
0.0000

■ 32.9404, 37.9333,  
61.4628

■ 32.9404, 37.9333,  
61.4628

■ 29.2262, 34.1079,  
60.9209

■ 37.3108, 42.1999,  
62.0567

■ 26.1254, 30.6975,  
60.4260

■ 42.3695, 46.9231,  
62.7017

■ 23.5959, 27.6798,  
59.9769

■ 48.1504, 52.1229,  
63.4007

■ 21.5877, 25.0275,  
59.5708

■ 54.6844, 57.8164,  
64.1553

■ 20.0414, 22.7082,  
59.2046

■ 62.0004, 64.0199,  
64.9671

■ 19.0599, 21.0626,  
58.9387

■ 70.1255, 70.7488,  
65.8376

■ 77.8218, 77.3663,  
66.7093

■ 79.6816, 81.0859,  
67.3292

■ 81.6170, 84.9568,  
67.9744

# Harmonies

## Analogous

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



30.5211, 37.9333, 52.8463



32.9404, 37.9333, 61.4628



36.3417, 37.9333, 64.4319

# Triad

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



32.9404, 37.9333, 61.4628



43.4183, 37.9333, 40.4880



32.4755, 37.9333, 26.7264

# Complementary

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



32.9404, 37.9333, 61.4628



37.8478, 34.3997, 21.4760

# 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.



35.7688, 37.9333, 24.5002



32.9404, 37.9333, 61.4628



42.2192, 37.9333, 31.5762

# Square

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



32.9404, 37.9333, 61.4628



42.5382, 37.9333, 51.1894



39.3589, 37.9333, 26.1174



30.2655, 37.9333, 32.7791



# Rectangle

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



32.9404, 37.9333, 61.4628



38.7525, 37.9333, 62.4689



39.3589, 37.9333, 26.1174



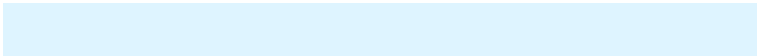
33.4846, 37.9333, 25.5559

# Sweetspot

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



32.9416, 37.9348, 61.4637



80.3858, 87.2410, 107.2102



33.5943, 48.0785, 34.4338



16.7205, 18.2406, 22.8895



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

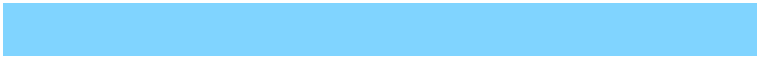


# Same Dimension

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



32.9416, 37.9348, 61.4637



50.2960, 58.6084, 103.2694



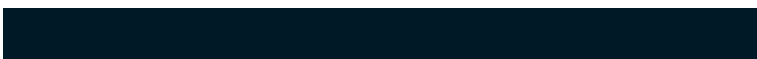
26.1367, 24.3249, 59.1954



11.2085, 12.0573, 14.3069



12.3502, 13.7243, 37.9544



0.7058, 0.8454, 1.9809



# Inverse Universe

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



38.2623, 28.2975, 42.9819



60.7149, 41.2965, 66.7289



45.5165, 49.7371, 24.0322



11.5186, 11.3362, 13.2654



18.4447, 9.1885, 15.3263



0.9862, 0.4879, 0.9733



# Previews

## White Background



This preview shows how the XYZ color 32.9404, 37.9333, 61.4628 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

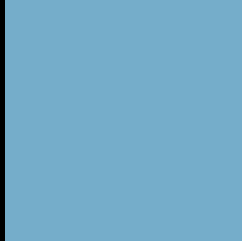
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 32.9404, 37.9333, 61.4628 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

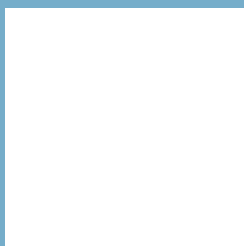
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 32.9404, 37.9333, 61.4628**

## **Background**



This preview shows how black text looks on a background with the XYZ color 32.9404, 37.9333, 61.4628.



This preview shows how white text looks on a background with the XYZ color 32.9404, 37.9333,



# 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

32.9404, 37.9333, 61.4628

### Protanopia

37.3398, 37.8055, 57.5537

### Deuteranopia

38.5174, 37.7774, 62.3884



## Tritanopia

31.3253, 37.8448, 53.7979

# Trichromacy



## Original Color

32.9404, 37.9333, 61.4628

## Protanomaly

35.3395, 37.5543, 58.8122

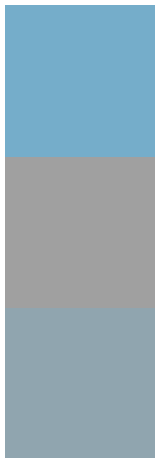
## Deuteranomaly

36.0928, 37.6040, 61.8559

## Tritanomaly

31.8131, 37.7446, 56.6476

# Monochromacy



## Original Color

32.9404, 37.9333, 61.4628

## Achromatopsia

33.4132, 35.1533, 38.2819

## Achromatomaly

32.6946, 35.9347, 45.7703

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 32.9404, 37.9333, 61.4628 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(117, 173, 202)` looks like.

```
.text, #text, p{  
    color:rgb(117, 173, 202)  
}
```

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(117, 173, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 173, 202) }
```

## Border

The CSS property to change the border of an element to XYZ 32.9404, 37.9333, 61.4628 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(117, 173, 202) }
```



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

```
.border{ border-color:rgb(117, 173, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 173, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(117, 173, 202); -webkit-box-shadow:4px 4px 4px 4px rgb(117, 173, 202); box-shadow:4px 4px 4px 4px rgb(117, 173, 202) }
```

# Background

The CSS property to change the background color of an element to XYZ 32.9404, 37.9333, 61.4628 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 173, 202) }
```

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

```
.background{ background-color: rgb(117,  
173, 202) }
```

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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