

Converting Colors

XYZ(33.6904, 37.4195, 59.4810)

Have a look what the booklet for
XYZ(33.6904, 37.4195, 59.4810)
contains.

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Color

**XYZ(33.7368, 37.5401,
59.5007)**

Conversions

Conversions Part 1

Format	Color
Hex	81AAC7
RGB	129, 170, 199
RGB Percent	51%, 67%, 78%
CMY	0.4941, 0.3333, 0.2196
CMYK	0.35, 0.15, 0.00, 0.22
HSL	205°, 38%, 64%
HSV	205°, 35%, 78%
XYZ	33.7368, 37.5401, 59.5007
YIQ	161.0470, -33.7450, 0.3270

Conversions

Conversions Part 2

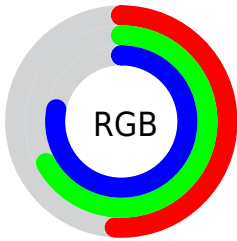
Format	Color
R_{YB}	129, 155, 199
Decimal	8497863
CIE _{Lab}	67.68, -6.67, -19.24
CIE _{LCh}	68, 20.361, 250.868
Yxy	37.5401, 0.2580, 0.2871
Android (android.graphics.Color)	4286687943 (0xFF81AAC7)
YUV	161.0470, 18.7108, -28.1052
Hunter-Lab	61.2700, -8.9358, -14.6889

Details

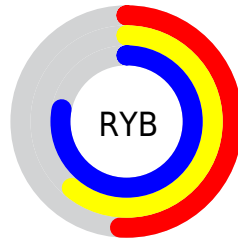
The XYZ color **33.7368, 37.5401, 59.5007** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **39.7432, 38.1814, 26.0450**, and the grayscale version is **33.8261, 35.5877, 38.7550**.

A 20% lighter version of the original color is **64.7424, 71.2608, 104.9502**, and **14.5698, 16.5377, 29.2123** is the 20% darker color. If you saturate the color by 10%, you get **29.5062, 33.1372, 58.8745**, and if you desaturate by 10%, it is **38.6553, 42.4433, 60.1885**.

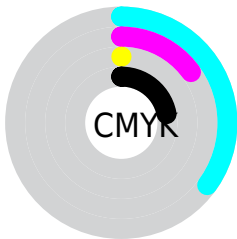
Distribution



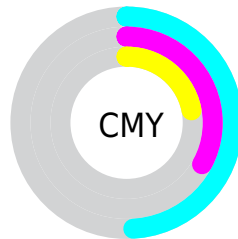
- Red (51%)
- Green (67%)
- Blue (78%)



- Red (51%)
- Yellow (61%)
- Blue (78%)



- Cyan (35%)
- Magenta (15%)
- Yellow (0%)
- Black (22%)



- Cyan (49%)
- Magenta (33%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.7368, 37.5401, 59.5007 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 33.7368, 37.5401, 59.5007 by changing the saturation by 10% instead.

■ 33.7368, 37.5401,
59.5007

■ 33.7368, 37.5401,
59.5007

310.5635,
335.6430, 440.5084

■ 22.8534, 25.6259,
42.5937

■ 64.8712, 71.4027,
105.6413

■ 14.6054, 16.5440,
29.2374

■ 85.8529, 94.1199,
135.7119

■ 8.6274, 9.9099,
19.0133

■ 110.9314,
121.2069, 171.0075

■ 4.5541, 5.3393,
11.5030

140.4720,
153.0481, 211.9465

■ 2.0201, 2.4477,
6.2878

174.8402,
190.0280, 258.9476

■ 0.6452, 0.8503,
2.9493

214.4013,

■ 0.0000, 0.0000,

232.5308, 312.4292

1.0688

259.5206,
280.9410, 372.8100

■ 0.0000, 0.0000,
0.0000

■ 33.7368, 37.5401,
59.5007

■ 33.7368, 37.5401,
59.5007

■ 29.5062, 33.1372,
58.8745

■ 38.6553, 42.4433,
60.1885

■ 25.9240, 29.2089,
58.3051

■ 44.2915, 47.8620,
60.9374

■ 22.9516, 25.7336,
57.7909

■ 50.6775, 53.8161,
61.7501

■ 20.5446, 22.6856,
57.3295

■ 57.8424, 60.3231,
62.6284

■ 18.6517, 20.0356,
56.9177

■ 65.8136, 67.3995,
63.5742

■ 17.2106, 17.7485,
56.5522

■ 74.6172, 75.0611,
64.5890

■ 16.6192, 16.7441,
56.3895

■ 79.2129, 80.7116,
65.4374

■ 81.5315, 85.3486,
66.2103

■ 83.9596, 90.2049,
67.0196

Harmonies

Analogous

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



31.3036, 37.5401, 53.2756



33.7368, 37.5401, 59.5007



36.8322, 37.5401, 60.3335

Triad

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



33.7368, 37.5401, 59.5007



41.9498, 37.5401, 37.6980



31.8713, 37.5401, 29.1353

Complementary

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



33.7368, 37.5401, 59.5007



39.7432, 38.1814, 26.0450

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.



34.5535, 37.5401, 26.1266



33.7368, 37.5401, 59.5007



40.4479, 37.5401, 30.5651

Square

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



33.7368, 37.5401, 59.5007



41.6993, 37.5401, 46.8127



37.6980, 37.5401, 26.6085



30.2711, 37.5401, 35.4615

Rectangle

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



33.7368, 37.5401, 59.5007



38.8715, 37.5401, 57.6005



37.6980, 37.5401, 26.6085



32.6695, 37.5401, 27.7476

Sweetspot

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



33.7380, 37.5416, 59.5016



81.8771, 87.8715, 107.2532



35.5634, 47.9491, 39.2801



17.2025, 18.5058, 22.9153



0.0000, 0.0000, 0.0000



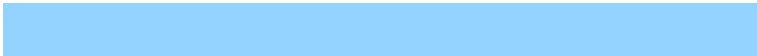
20.3446, 21.4041, 23.3091

Same Dimension

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



33.7380, 37.5416, 59.5016



53.4475, 59.9124, 103.3550



28.1672, 26.4001, 57.6447



10.5642, 11.3024, 13.5423



10.7745, 10.9429, 36.2887



0.5804, 0.6586, 1.7417

Inverse Universe

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



38.6602, 30.7460, 41.9287



63.5260, 47.0931, 67.1280



46.3661, 51.4272, 28.2527



10.8900, 10.7394, 12.4043



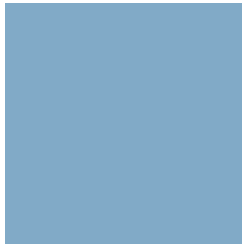
17.2378, 8.6447, 11.7280



0.8517, 0.4235, 0.7420

Previews

White Background



This preview shows how the XYZ color 33.7368, 37.5401, 59.5007 looks on a white background.

Color Contrast Check

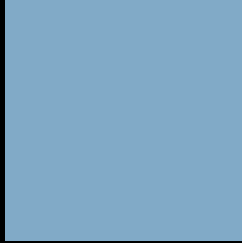
Large Text (above 18pt) WCAG AA × Fail

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 33.7368, 37.5401, 59.5007 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

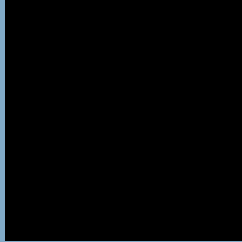
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.7368, 37.5401, 59.5007

Background



This preview shows how black text looks on a background with the XYZ color 33.7368, 37.5401, 59.5007.



This preview shows how white text looks on a background with the XYZ color 33.7368, 37.5401,

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

33.7368, 37.5401, 59.5007

Protanopia

36.9353, 37.3585, 56.3032

Deuteranopia

38.1878, 37.3882, 60.4623



Tritanopia

32.2196, 37.4858, 51.9917

Trichromacy



Original Color

33.7368, 37.5401, 59.5007

Protanomaly

35.6326, 37.4610, 57.5772

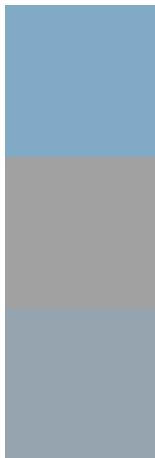
Deuteranomaly

36.2785, 37.2051, 59.9128

Tritanomaly

32.7193, 37.3994, 54.7845

Monochromacy



Original Color

33.7368, 37.5401, 59.5007

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

33.4077, 36.0356, 45.7522

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.7368, 37.5401, 59.5007 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(129, 170, 199)` looks like.

```
.text, #text, p{  
    color:rgb(129, 170, 199)  
}
```

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(129, 170, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 170, 199) }
```

Border

The CSS property to change the border of an element to XYZ 33.7368, 37.5401, 59.5007 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(129, 170, 199) }
```


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

```
.border{ border-color:rgb(129, 170, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 170, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 170, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 170, 199);  
box-shadow:4px 4px 4px 4px rgb(129, 170,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 33.7368, 37.5401, 59.5007 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 170, 199) }
```

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

```
.background{ background-color: rgb(129,  
170, 199) }
```

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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