

Converting Colors

XYZ(36.9782, 37.2584, 64.2192)

Have a look what the booklet for
XYZ(36.9782, 37.2584, 64.2192)
contains.

XYZ(36.9374, 37.1834, 64.2618)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(36.9374, 37.1834,
64.2618)**

Conversions

Conversions Part 1

Format	Color
Hex	96A3CF
RGB	150, 163, 207
RGB Percent	59%, 64%, 81%
CMY	0.4118, 0.3608, 0.1882
CMYK	0.28, 0.21, 0.00, 0.19
HSL	226°, 37%, 70%
HSV	226°, 28%, 81%
XYZ	36.9374, 37.1834, 64.2618
YIQ	164.1290, -21.8720, 10.9280

Conversions

Conversions Part 2

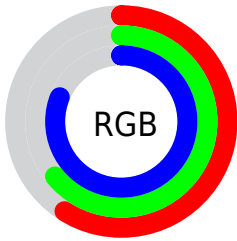
Format	Color
RYB	150, 161, 207
Decimal	9872335
CIELab	67.41, 5.33, -23.94
CIELCh	67, 24.531, 282.553
Yxy	37.1834, 0.2669, 0.2687
Android (android.graphics.Color)	4288062415 (0xFF96A3CF)
YUV	164.1290, 21.1354, -12.3911
Hunter-Lab	60.9782, 1.4141, -19.7980

Details

The XYZ color **36.9374, 37.1834, 64.2618** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **50.5296, 54.0516, 36.6252**, and the grayscale version is **35.2590, 37.0952, 40.3967**.

A 20% lighter version of the original color is **68.2982, 70.3419, 104.5854**, and **16.4712, 16.2655, 32.4084** is the 20% darker color. If you saturate the color by 10%, you get **30.7995, 30.0709, 63.2131**, and if you desaturate by 10%, it is **44.1091, 45.3626, 65.4632**.

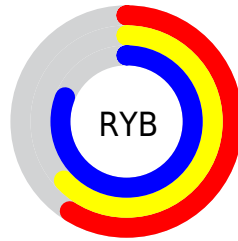
Distribution



Red (59%)

Green (64%)

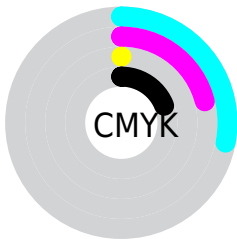
Blue (81%)



Red (59%)

Yellow (63%)

Blue (81%)

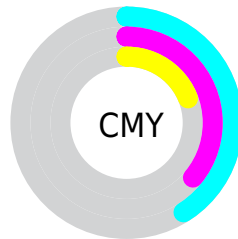


Cyan (28%)

Magenta (21%)

Yellow (0%)

Black (19%)



Cyan (41%)

Magenta (36%)

Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.9374, 37.1834, 64.2618 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 36.9374, 37.1834, 64.2618 by changing the saturation by 10% instead.

■ 36.9374, 37.1834,
64.2618

■ 36.9374, 37.1834,
64.2618

324.3997,
334.1039, 458.3678

■ 25.3325, 25.3495,
46.4152

■ 69.7910, 70.8548,
112.5910

■ 16.4550, 16.3377,
32.2226

■ 91.7703, 93.4610,
143.9106

■ 9.9396, 9.7634,
21.2653

117.9385,
120.4269, 180.5584

■ 5.4209, 5.2424,
13.1250

148.6609,
152.1368, 222.9528

■ 2.5335, 2.3902,
7.3829

184.3028,
188.9750, 271.5125

■ 0.9122, 0.8208,
3.6206

225.2297,

■ 0.0000, 0.0000,

231.3260, 326.6558

1.4196

271.8069,
279.5741, 388.8014

■ 0.0000, 0.0000,
0.1570

■ 0.0000, 0.0000,
0.0000

■ 36.9374, 37.1834,
64.2618

■ 36.9374, 37.1834,
64.2618

■ 30.7995, 30.0709,
63.2131

■ 44.1091, 45.3626,
65.4632

■ 25.6430, 23.9760,
62.3084

■ 52.3563, 54.6464,
66.8205

■ 21.4163, 18.8517,
61.5421

■ 61.7230, 65.0760,
68.3399

■ 18.0614, 14.6459,
60.9071

■ 72.2495, 76.6892,
70.0267

■ 15.5137, 11.3009,
60.3958

■ 83.9740, 89.5220,
71.8857

■ 13.6985, 8.7519,
59.9994

■ 88.2626, 97.2850,
73.1581

■ 12.5169, 6.9189,
59.7079

■ 12.2877, 6.5551,
59.6498

Harmonies

Analogous

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



33.2170, 37.1834, 63.6409



36.9374, 37.1834, 64.2618



40.4630, 37.1834, 57.7454

Triad

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



36.9374, 37.1834, 64.2618



40.9428, 37.1834, 28.0299



28.8801, 37.1834, 34.5873

Complementary

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



36.9374, 37.1834, 64.2618



50.5296, 54.0516, 36.6252

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.



30.6719, 37.1834, 27.0625



36.9374, 37.1834, 64.2618



37.5552, 37.1834, 23.7640

Square

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



36.9374, 37.1834, 64.2618



42.8832, 37.1834, 36.1484



33.7926, 37.1834, 23.4445



28.7406, 37.1834, 45.1582

Rectangle

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



36.9374, 37.1834, 64.2618



42.1578, 37.1834, 50.8058



33.7926, 37.1834, 23.4445



29.3030, 37.1834, 31.6685

Sweetspot

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



36.9386, 37.1849, 64.2627



83.1196, 86.6953, 106.9607



44.5954, 54.9921, 59.1274



17.3391, 18.0498, 22.8200



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.



36.9386, 37.1849, 64.2627



53.2347, 52.7066, 101.9754



37.7286, 34.3398, 63.6719



11.3793, 11.8489, 14.9310



7.8014, 4.2494, 37.6015



0.4978, 0.3607, 2.1230

Inverse Universe

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



43.2504, 37.7237, 39.6537



65.0736, 54.0488, 55.7426



49.5063, 58.0088, 37.4430



11.9176, 11.8518, 12.8419



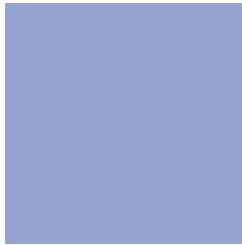
16.5685, 8.5002, 2.6340



0.9575, 0.4877, 0.3109

Previews

White Background



This preview shows how the XYZ color 36.9374, 37.1834, 64.2618 looks on a white background.

Color Contrast Check

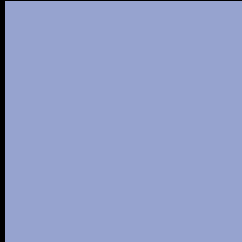
Large Text (above 18pt) WCAG AA × Fail

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 36.9374, 37.1834, 64.2618 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

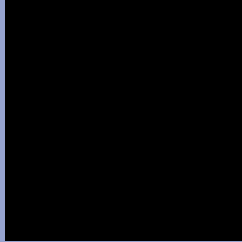
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.9374, 37.1834, 64.2618

Background



This preview shows how black text looks on a background with the XYZ color 36.9374, 37.1834, 64.2618.



This preview shows how white text looks on a background with the XYZ color 36.9374, 37.1834,

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

36.9374, 37.1834, 64.2618

Protanopia

37.1978, 37.0692, 63.5871

Deuteranopia

37.9120, 37.1628, 64.2065



Tritanopia

34.0202, 37.3612, 49.1344

Trichromacy



Original Color

36.9374, 37.1834, 64.2618

Protanomaly

37.0098, 36.9723, 63.5783

Deuteranomaly

37.5092, 37.2157, 64.2379

Tritanomaly

34.9631, 37.1932, 54.0514

Monochromacy



Original Color

36.9374, 37.1834, 64.2618

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

35.8118, 37.2171, 48.4762

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.9374, 37.1834, 64.2618 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(150, 163, 207)` looks like.

```
.text, #text, p{  
    color:rgb(150, 163, 207)  
}
```

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(150, 163, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 163, 207) }
```

Border

The CSS property to change the border of an element to XYZ 36.9374, 37.1834, 64.2618 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(150, 163, 207) }
```


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

```
.border{ border-color:rgb(150, 163, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 163, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 163, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 163, 207);  
box-shadow:4px 4px 4px 4px rgb(150, 163,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 36.9374, 37.1834, 64.2618 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 163, 207) }
```

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

```
.background{ background-color: rgb(150,  
163, 207) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor