

Converting Colors

XYZ(38.6330, 37.0529, 64.9872)

Have a look what the booklet for
XYZ(38.6330, 37.0529, 64.9872)
contains.

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Color

**XYZ(38.4812, 36.9274,
64.7740)**

Conversions

Conversions Part 1

Format	Color
Hex	A19FD0
RGB	161, 159, 208
RGB Percent	63%, 62%, 82%
CMY	0.3686, 0.3765, 0.1843
CMYK	0.23, 0.24, 0.00, 0.18
HSL	242°, 34%, 72%
HSV	242°, 24%, 82%
XYZ	38.4812, 36.9274, 64.7740
YIQ	165.1840, -14.5370, 15.6630

Conversions

Conversions Part 2

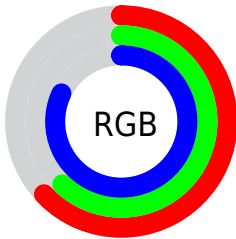
Format	Color
RYB	161, 159, 208
Decimal	10592208
CIELab	67.22, 11.17, -24.72
CIElCh	67, 27.127, 294.322
Yxy	36.9274, 0.2745, 0.2634
Android (android.graphics.Color)	4288782288 (0xFFA19FD0)
YUV	165.1840, 21.1083, -3.6694
Hunter-Lab	60.7679, 6.6910, -20.6611

Details

The XYZ color **38.4812, 36.9274, 64.7740** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **54.2686, 60.7377, 41.6658**, and the grayscale version is **35.7603, 37.6226, 40.9710**.

A 20% lighter version of the original color is **70.4155, 69.9121, 104.3908**, and **17.2967, 16.2132, 32.3548** is the 20% darker color. If you saturate the color by 10%, you get **31.4961, 28.4566, 63.5078**, and if you desaturate by 10%, it is **46.7121, 46.9356, 66.2726**.

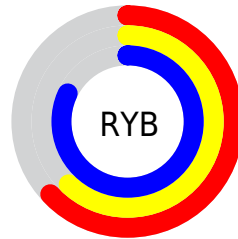
Distribution



Red (63%)

Green (62%)

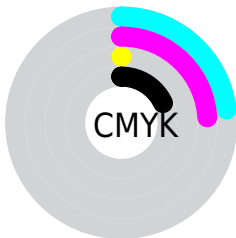
Blue (82%)



Red (63%)

Yellow (62%)

Blue (82%)

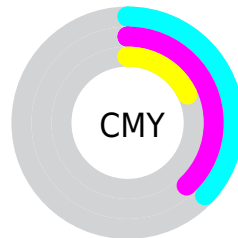


Cyan (23%)

Magenta (24%)

Yellow (0%)

Black (18%)



Cyan (37%)

Magenta (38%)

Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.4812, 36.9274, 64.7740 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 38.4812, 36.9274, 64.7740 by changing the saturation by 10% instead.

■ 38.4812, 36.9274,
64.7740

■ 38.4812, 36.9274,
64.7740

330.9250,
332.9961, 460.2633

■ 26.5353, 25.1513,
46.8277

■ 72.1443, 70.4611,
113.3350

■ 17.3593, 16.1898,
32.5461

■ 94.5921, 92.9875,
144.7868

■ 10.5879, 9.6586,
21.5107

121.2713,
119.8661, 181.5775

■ 5.8557, 5.1732,
13.3029

152.5472,
151.4813, 224.1256

■ 2.7973, 2.3492,
7.5043

188.7852,
188.2175, 272.8497

■ 1.0475, 0.7996,
3.6962

230.3505,

■ 0.0000, 0.0000,

230.4591, 328.1684

1.4602

277.6087,
278.5905, 390.5001

■ 0.0000, 0.0000,
0.1880

■ 0.0000, 0.0000,
0.0000

■ 38.4812, 36.9274,
64.7740

■ 38.4812, 36.9274,
64.7740

■ 31.4961, 28.4566,
63.5078

■ 46.7121, 46.9356,
66.2726

■ 25.6927, 21.4430,
62.4599

■ 56.2416, 58.5473,
68.0116

■ 21.0067, 15.8056,
61.6187

■ 67.1238, 71.8302,
70.0019

■ 17.3663, 11.4539,
60.9706

■ 79.4085, 86.8469,
72.2530

■ 14.6911, 8.2866,
60.5003

■ 88.3853, 97.3341,
73.8041

■ 12.8893, 6.1873,
60.1900

■ 11.8509, 5.0155,
60.0186

■ 11.4915, 4.6089,
59.9590

Harmonies

Analogous

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



34.3165, 36.9274, 67.4375



38.4812, 36.9274, 64.7740



41.9721, 36.9274, 55.0284

Triad

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



38.4812, 36.9274, 64.7740



39.9503, 36.9274, 24.3824



27.7560, 36.9274, 37.9934

Complementary

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



38.4812, 36.9274, 64.7740



54.2686, 60.7377, 41.6658

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.



29.0194, 36.9274, 28.3200



38.4812, 36.9274, 64.7740



35.8921, 36.9274, 21.5163

Square

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



38.4812, 36.9274, 64.7740



42.8659, 36.9274, 31.5275



31.9199, 36.9274, 22.8014



28.3309, 36.9274, 50.3506

Rectangle

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



38.4812, 36.9274, 64.7740



43.3367, 36.9274, 46.6903



31.9199, 36.9274, 22.8014



27.9765, 36.9274, 34.3547

Sweetspot

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



38.4824, 36.9289, 64.7748



83.5966, 86.0313, 106.8074



47.8440, 56.2452, 68.0099



17.6925, 18.1697, 22.8246



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.



38.4824, 36.9289, 64.7748



55.4819, 51.8384, 101.6893



43.8243, 39.6827, 65.0248



11.2076, 11.4404, 14.8612



7.1818, 2.8826, 37.3704



0.4176, 0.1694, 2.0903

Inverse Universe

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



49.5523, 42.6639, 64.0172



75.8821, 62.4089, 100.2149



48.0749, 57.5447, 41.3759



12.2891, 12.0004, 14.7982



22.6839, 10.9464, 34.8370



1.2750, 0.6147, 1.9827

Previews

White Background



This preview shows how the XYZ color 38.4812, 36.9274, 64.7740 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 38.4812, 36.9274, 64.7740 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

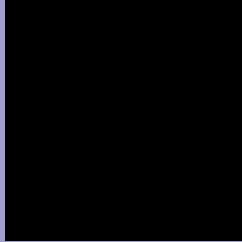
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.4812, 36.9274, 64.7740

Background



This preview shows how black text looks on a background with the XYZ color 38.4812, 36.9274, 64.7740.



This preview shows how white text looks on a background with the XYZ color 38.4812, 36.9274,

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

38.4812, 36.9274, 64.7740

Protanopia

37.3157, 37.0731, 66.1618

Deuteranopia

37.6663, 36.7636, 64.7854



Tritanopia

35.0086, 37.0932, 47.4340

Trichromacy



Original Color

38.4812, 36.9274, 64.7740

Protanomaly

37.7711, 37.0618, 65.4845

Deuteranomaly

38.0565, 36.9648, 64.8036

Tritanomaly

36.1871, 37.0366, 53.3856

Monochromacy



Original Color

38.4812, 36.9274, 64.7740

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

36.7475, 37.4231, 49.0026

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.4812, 36.9274, 64.7740 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(161, 159, 208)` looks like.

```
.text, #text, p{  
    color:rgb(161, 159, 208)  
}
```

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(161, 159, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 159, 208) }
```

Border

The CSS property to change the border of an element to XYZ 38.4812, 36.9274, 64.7740 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(161, 159, 208) }
```


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

```
.border{ border-color:rgb(161, 159, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 159, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 159, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 159, 208);  
box-shadow:4px 4px 4px 4px rgb(161, 159,  
208) }
```

Background

The CSS property to change the background color of an element to XYZ 38.4812, 36.9274, 64.7740 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 159, 208) }
```

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

```
.background{ background-color: rgb(161,  
159, 208) }
```

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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