

Converting Colors

XYZ(37.9910, 34.5301, 66.0505)

Have a look what the booklet for
XYZ(37.9910, 34.5301, 66.0505)
contains.

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Color

**XYZ(37.9741, 34.4084,
66.2680)**

Conversions

Conversions Part 1

Format	Color
Hex	A496D3
RGB	164, 150, 211
RGB Percent	64%, 59%, 83%
CMY	0.3569, 0.4118, 0.1725
CMYK	0.22, 0.29, 0.00, 0.17
HSL	254°, 41%, 71%
HSV	254°, 29%, 83%
XYZ	37.9741, 34.4084, 66.2680
YIQ	161.1400, -11.2370, 21.9390

Conversions

Conversions Part 2

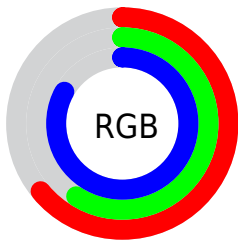
Format	Color
RYB	164, 150, 211
Decimal	10786515
CIELab	65.29, 17.89, -29.34
CIELCh	65, 34.367, 301.371
Yxy	34.4084, 0.2739, 0.2482
Android (android.graphics.Color)	4288976595 (0xFFA496D3)
YUV	161.1400, 24.5810, 2.5082
Hunter-Lab	58.6587, 12.9036, -25.9202

Details

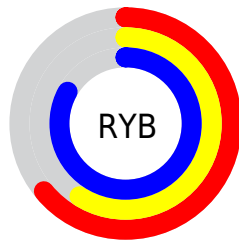
The XYZ color **37.9741, 34.4084, 66.2680** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **51.8262, 60.6616, 37.8330**, and the grayscale version is **33.8354, 35.5975, 38.7656**.

A 20% lighter version of the original color is **69.1581, 65.6214, 103.6289**, and **17.0181, 14.7035, 33.3936** is the 20% darker color. If you saturate the color by 10%, you get **31.7622, 26.6504, 65.0985**, and if you desaturate by 10%, it is **45.2235, 43.6027, 67.6612**.

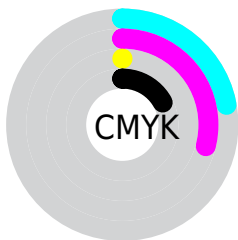
Distribution



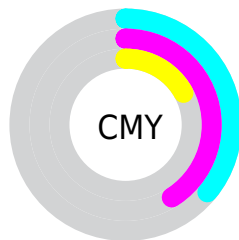
- Red (64%)
- Green (59%)
- Blue (83%)



- Red (64%)
- Yellow (59%)
- Blue (83%)



- Cyan (22%)
- Magenta (29%)
- Yellow (0%)
- Black (17%)



- Cyan (36%)
- Magenta (41%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.9741, 34.4084, 66.2680 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 37.9741, 34.4084, 66.2680 by changing the saturation by 10% instead.

■ 37.9741, 34.4084,
66.2680

■ 37.9741, 34.4084,
66.2680

328.7916,
321.9493, 465.7651

■ 26.1397, 23.2075,
48.0321

■ 71.3726, 66.5683,
115.5016

■ 17.0614, 14.7468,
33.4922

■ 93.6674, 88.2960,
147.3363

■ 10.3739, 8.6419,
22.2295

120.1797,
114.3016, 184.5412

■ 5.7117, 4.5083,
13.8257

151.2749,
144.9692, 227.5346

■ 2.7096, 1.9618,
7.8622

187.3184,
180.6834, 276.7352

■ 1.0021, 0.5851,
3.9204

228.6754,

■ 0.0000, 0.0000,

221.8286, 332.5614

1.5818

275.7114,
268.7891, 395.4319

■ 0.0000, 0.0000,
0.2778

■ 0.0000, 0.0000,
0.0000

■ 37.9741, 34.4084,
66.2680

■ 37.9741, 34.4084,
66.2680

■ 31.7622, 26.6504,
65.0985

■ 45.2235, 43.6027,
67.6612

■ 26.5356, 20.2512,
64.1388

■ 53.5522, 54.2973,
69.2865

■ 22.2427, 15.1321,
63.3770

■ 63.0041, 66.5572,
71.1547

■ 18.8257, 11.2045,
62.7990

■ 73.6194, 80.4424,
73.2753

■ 16.2197, 8.3683,
62.3889

■ 85.2755, 95.6879,
75.6037

■ 14.3501, 6.5063,
62.1280

■ 88.7580, 97.4832,
75.7666

■ 13.1082, 5.4364,
61.9870

■ 12.9971, 5.3420,
61.9746

Harmonies

Analogous

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



32.9349, 34.4084, 72.3249



37.9741, 34.4084, 66.2680



41.8993, 34.4084, 52.2830

Triad

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



37.9741, 34.4084, 66.2680



37.5353, 34.4084, 18.1067



23.9959, 34.4084, 38.1281

Complementary

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



37.9741, 34.4084, 66.2680



51.8262, 60.6616, 37.8330

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.



24.9635, 34.4084, 25.7500



37.9741, 34.4084, 66.2680



32.4745, 34.4084, 16.1142

Square

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



37.9741, 34.4084, 66.2680



41.6283, 34.4084, 24.8708



27.9458, 34.4084, 18.5158



25.1563, 34.4084, 53.7220

Rectangle

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



37.9741, 34.4084, 66.2680



43.1713, 34.4084, 41.7542



27.9458, 34.4084, 18.5158



24.0824, 34.4084, 33.4799

Sweetspot

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



37.9752, 34.4098, 66.2688



81.9517, 83.0205, 106.3130



44.4812, 51.4774, 69.2203



17.1167, 17.2226, 22.6721



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.



37.9752, 34.4098, 66.2688



51.9472, 44.8700, 100.5306



44.8408, 37.9491, 66.5901



11.4139, 11.5467, 14.8708



7.9185, 3.2624, 37.4048



0.5140, 0.2191, 2.0948

Inverse Universe

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



47.8493, 39.6941, 57.9642



69.7565, 54.4119, 85.0578



44.7966, 57.0377, 37.5040



12.1899, 11.9607, 14.2757



20.2199, 9.9608, 21.8617



1.1596, 0.5686, 1.3753

Previews

White Background



This preview shows how the XYZ color 37.9741, 34.4084, 66.2680 looks on a white background.

Color Contrast Check

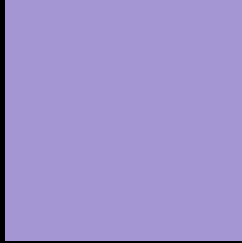
Large Text (above 18pt) WCAG AA × Fail

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 37.9741, 34.4084, 66.2680 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

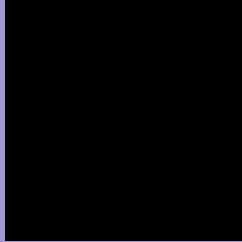
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.9741, 34.4084, 66.2680

Background



This preview shows how black text looks on a background with the XYZ color 37.9741, 34.4084, 66.2680.



This preview shows how white text looks on a background with the XYZ color 37.9741, 34.4084,

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

37.9741, 34.4084, 66.2680

Protanopia

35.2676, 34.3975, 69.7463

Deuteranopia

35.3754, 34.5411, 65.7754



Tritanopia

33.3872, 34.5241, 42.9343

Trichromacy



Original Color

37.9741, 34.4084, 66.2680

Protanomaly

36.0876, 34.3558, 68.3476

Deuteranomaly

36.3253, 34.5367, 65.7245

Tritanomaly

34.9755, 34.4191, 50.6991

Monochromacy



Original Color

37.9741, 34.4084, 66.2680

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

35.0939, 35.0500, 47.5635

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.9741, 34.4084, 66.2680 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(164, 150, 211)` looks like.

```
.text, #text, p{  
    color:rgb(164, 150, 211)  
}
```

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(164, 150, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 150, 211) }
```

Border

The CSS property to change the border of an element to XYZ 37.9741, 34.4084, 66.2680 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(164, 150, 211) }
```


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

```
.border{ border-color:rgb(164, 150, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 150, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 150, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 150, 211);  
box-shadow:4px 4px 4px 4px rgb(164, 150,  
211) }
```

Background

The CSS property to change the background color of an element to XYZ 37.9741, 34.4084, 66.2680 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 150, 211) }
```

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

```
.background{ background-color: rgb(164,  
150, 211) }
```

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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