

Converting Colors

XYZ(37.8245, 34.1758, 61.7298)

Have a look what the booklet for
XYZ(37.8245, 34.1758, 61.7298)
contains.

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Color

**XYZ(37.7950, 34.1794,
61.7320)**

Conversions

Conversions Part 1

Format	Color
Hex	A895CC
RGB	168, 149, 204
RGB Percent	66%, 58%, 80%
CMY	0.3412, 0.4157, 0.2000
CMYK	0.18, 0.27, 0.00, 0.20
HSL	261°, 35%, 69%
HSV	261°, 27%, 80%
XYZ	37.7950, 34.1794, 61.7320
YIQ	160.9510, -6.3310, 21.1330

Conversions

Conversions Part 2

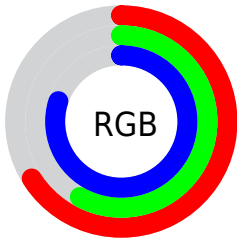
Format	Color
R _Y B	168, 149, 204
Decimal	11048396
CIE Lab	65.10, 18.09, -25.70
CIE LCh	65, 31.424, 305.145
Yxy	34.1794, 0.2827, 0.2556
Android (android.graphics.Color)	4289238476 (0xFFA895CC)
YUV	160.9510, 21.2232, 6.1820
Hunter-Lab	58.4632, 13.0854, -21.6809

Details

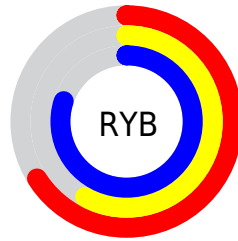
The XYZ color **37.7950, 34.1794, 61.7320** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **47.0264, 55.6708, 36.7023**, and the grayscale version is **33.7612, 35.5194, 38.6806**.

A 20% lighter version of the original color is **70.1464, 65.7792, 103.6073**, and **16.9429, 14.5822, 30.7758** is the 20% darker color. If you saturate the color by 10%, you get **32.1476, 26.8899, 60.6232**, and if you desaturate by 10%, it is **44.3018, 42.7528, 63.0444**.

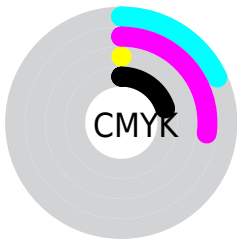
Distribution



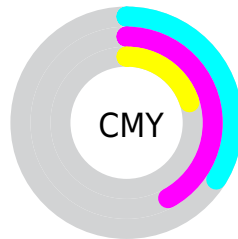
- Red (66%)
- Green (58%)
- Blue (80%)



- Red (66%)
- Yellow (58%)
- Blue (80%)



- Cyan (18%)
- Magenta (27%)
- Yellow (0%)
- Black (20%)



- Cyan (34%)
- Magenta (42%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.7950, 34.1794, 61.7320 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 37.7950, 34.1794, 61.7320 by changing the saturation by 10% instead.

■ 37.7950, 34.1794,
61.7320

■ 37.7950, 34.1794,
61.7320

328.0358,
320.9313, 448.9335

■ 26.0001, 23.0315,
44.3818

■ 71.0997, 66.2126,
108.9059

■ 16.9564, 14.6167,
30.6314

■ 93.3403, 87.8665,
139.5668

■ 10.2985, 8.5508,
20.0622

119.7935,
113.7914, 175.5015

■ 5.6611, 4.4494,
12.2557

150.8246,
144.3714, 217.1288

■ 2.6788, 1.9280,
6.7934

186.7991,
179.9909, 264.8670

■ 0.9863, 0.5651,
3.2568

228.0822,

■ 0.0000, 0.0000,

221.0345, 319.1349

1.2272

275.0393,
267.8865, 380.3509

■ 0.0000, 0.0000,
0.0010

■ 0.0000, 0.0000,
0.0000

■ 37.7950, 34.1794,
61.7320

■ 37.7950, 34.1794,
61.7320

■ 32.1476, 26.8899,
60.6232

■ 44.3018, 42.7528,
63.0444

■ 27.3182, 20.8165,
59.7054

■ 51.7005, 52.6649,
64.5677

■ 23.2663, 15.8917,
58.9684

■ 60.0258, 63.9724,
66.3115

■ 19.9468, 12.0392,
58.3998

■ 69.3095, 76.7274,
68.2841

■ 17.3092, 9.1734,
57.9856

■ 79.5818, 90.9792,
70.4936

■ 15.2956, 7.1945,
57.7098

■ 85.4132, 95.8581,
71.1280

■ 13.8316, 5.9713,
57.5509

■ 87.8992, 97.1397,
71.2443

■ 13.4591, 5.6793,
57.5141

Harmonies

Analogous

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



33.2785, 34.1794, 68.2143



37.7950, 34.1794, 61.7320



41.1016, 34.1794, 48.7886

Triad

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



37.7950, 34.1794, 61.7320



36.3096, 34.1794, 18.7764



24.5191, 34.1794, 39.5113

Complementary

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



37.7950, 34.1794, 61.7320



47.0264, 55.6708, 36.7023

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.



25.1681, 34.1794, 27.6347



37.7950, 34.1794, 61.7320



31.7071, 34.1794, 17.4026

Square

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



37.7950, 34.1794, 61.7320



40.1894, 34.1794, 24.5604



27.6999, 34.1794, 20.2388



25.8366, 34.1794, 53.6074

Rectangle

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



37.7950, 34.1794, 61.7320



42.0208, 34.1794, 39.3795



27.6999, 34.1794, 20.2388



24.5158, 34.1794, 35.1324

Sweetspot

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



37.7961, 34.1808, 61.7328



84.1408, 85.2227, 106.6227



40.7834, 45.7279, 63.8041



17.5947, 17.6828, 22.7357



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.



37.7961, 34.1808, 61.7328



57.3162, 49.7600, 101.1915



44.1102, 37.4358, 62.0283



10.9611, 11.0293, 14.1215



8.5621, 3.6214, 36.2040



0.5230, 0.2288, 1.8715

Inverse Universe

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



44.4073, 37.8364, 50.8630



70.0996, 56.8364, 79.8128



41.1522, 52.6425, 36.4274



11.5165, 11.3353, 13.2545



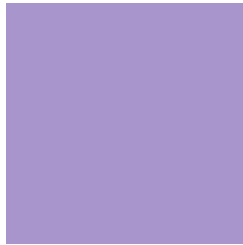
18.4066, 9.1732, 15.1257



0.9844, 0.4872, 0.9639

Previews

White Background



This preview shows how the XYZ color 37.7950, 34.1794, 61.7320 looks on a white background.

Color Contrast Check

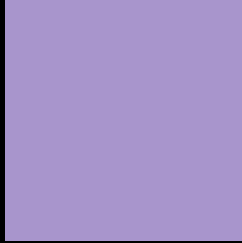
Large Text (above 18pt) WCAG AA × Fail

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 37.7950, 34.1794, 61.7320 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

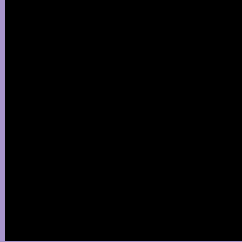
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.7950, 34.1794, 61.7320

Background



This preview shows how black text looks on a background with the XYZ color 37.7950, 34.1794, 61.7320.



This preview shows how white text looks on a background with the XYZ color 37.7950, 34.1794,

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

37.7950, 34.1794, 61.7320

Protanopia

34.7248, 34.2200, 65.0965

Deuteranopia

35.0785, 34.2385, 61.2598



Tritanopia

33.8566, 34.2855, 41.8791

Trichromacy



Original Color

37.7950, 34.1794, 61.7320

Protanomaly

35.6026, 33.9629, 63.7105

Deuteranomaly

36.0754, 34.2624, 61.2118

Tritanomaly

35.0416, 34.0112, 48.4340

Monochromacy



Original Color

37.7950, 34.1794, 61.7320

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

35.3026, 35.1808, 46.5249

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.7950, 34.1794, 61.7320 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(168, 149, 204)` looks like.

```
.text, #text, p{  
    color:rgb(168, 149, 204)  
}
```

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(168, 149, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 149, 204) }
```

Border

The CSS property to change the border of an element to XYZ 37.7950, 34.1794, 61.7320 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(168, 149, 204) }
```


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

```
.border{ border-color:rgb(168, 149, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 149, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 149, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 149, 204);  
box-shadow:4px 4px 4px 4px rgb(168, 149,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 37.7950, 34.1794, 61.7320 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 149, 204) }
```

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

```
.background{ background-color: rgb(168,  
149, 204) }
```

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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