

Converting Colors

XYZ(37.4720, 33.4515, 55.5207)

Have a look what the booklet for
XYZ(37.4720, 33.4515, 55.5207)
contains.

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Color

**XYZ(37.4720, 33.4515,
55.5207)**

Conversions

Conversions Part 1

Format	Color
Hex	AE92C2
RGB	174, 146, 194
RGB Percent	68%, 57%, 76%
CMY	0.3176, 0.4274, 0.2392
CMYK	0.10, 0.25, 0.00, 0.24
HSL	275°, 28%, 67%
HSV	275°, 25%, 76%
XYZ	37.4720, 33.4515, 55.5207
YIQ	159.8440, 1.2800, 20.8640

Conversions

Conversions Part 2

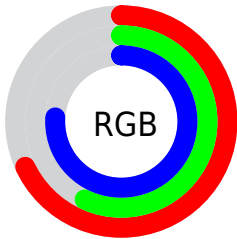
Format	Color
RYB	174, 146, 194
Decimal	11440834
CIELab	64.52, 19.54, -20.95
CIElCh	65, 28.644, 313.009
Yxy	33.4515, 0.2964, 0.2646
Android (android.graphics.Color)	4289630914 (0xFFAE92C2)
YUV	159.8440, 16.8389, 12.4148
Hunter-Lab	57.8373, 14.4326, -16.4292

Details

The XYZ color **37.4720, 33.4515, 55.5207** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **40.2072, 48.7668, 34.4895**, and the grayscale version is **33.2672, 34.9997, 38.1147**.

A 20% lighter version of the original color is **70.7000, 65.0966, 100.1054**, and **16.7110, 14.1428, 26.6600** is the 20% darker color. If you saturate the color by 10%, you get **32.9846, 27.0698, 54.5259**, and if you desaturate by 10%, it is **42.5773, 40.9068, 56.6912**.

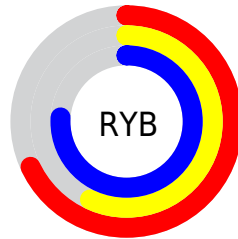
Distribution



Red (68%)

Green (57%)

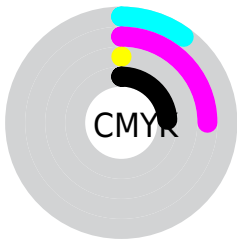
Blue (76%)



Red (68%)

Yellow (57%)

Blue (76%)

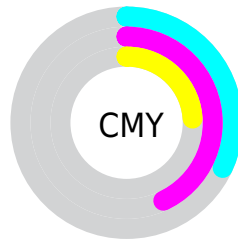


Cyan (10%)

Magenta (25%)

Yellow (0%)

Black (24%)



Cyan (32%)


Magenta (43%)


Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.4720, 33.4515, 55.5207 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 37.4720, 33.4515, 55.5207 by changing the saturation by 10% instead.


 37.4720, 33.4515,
55.5207

 37.4720, 33.4515,
55.5207


326.6697,
317.6793, 425.2202

 25.7485, 22.4725,
39.4174


 70.6073, 65.0798,
99.7822

 16.7673, 14.2045,
26.7742


 92.7497, 86.4979,
128.7775

 10.1630, 8.2631,
17.1728


119.0959,
112.1646, 162.9072

 5.5702, 4.2637,
10.1945

150.0111,
142.4641, 202.5897

 2.6237, 1.8222,
5.4208

185.8608,
177.7810, 248.2438

 0.9581, 0.5009,
2.4332

227.0102,

 0.0000, 0.0000,

218.4995, 300.2878

0.8044

273.8247,
265.0042, 359.1405

■ 0.0000, 0.0000,
0.0000

■ 37.4720, 33.4515,
55.5207

■ 37.4720, 33.4515,
55.5207

■ 32.9846, 27.0698,
54.5259

■ 42.5773, 40.9068,
56.6912

■ 29.0846, 21.7053,
53.6960

■ 48.3231, 49.4800,
58.0431

■ 25.7431, 17.3027,
53.0224

■ 54.7344, 59.2181,
59.5848

■ 22.9275, 13.7997,
52.4946

■ 61.8342, 70.1639,
61.3234

■ 20.6013, 11.1261,
52.1012

■ 69.6439, 82.3583,
63.2655

■ 18.7225, 9.2013,
51.8287

■ 75.7764, 91.0243,
64.6150

■ 17.2405, 7.9273,
51.6609

■ 78.3196, 92.3354,
64.7341

■ 16.5689, 7.4167,
51.5977

■ 80.9833, 93.7086,
64.8587

■ 83.7690, 95.1446,
64.9891

Harmonies

Analogous

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



33.5997, 33.4515, 63.1001



37.4720, 33.4515, 55.5207



39.9326, 33.4515, 43.4162

Triad

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



37.4720, 33.4515, 55.5207



34.1509, 33.4515, 18.8371



24.7251, 33.4515, 41.7370

Complementary

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



37.4720, 33.4515, 55.5207



40.2072, 48.7668, 34.4895

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.



24.8450, 33.4515, 30.2242



37.4720, 33.4515, 55.5207



30.0554, 33.4515, 18.5771

Square

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



37.4720, 33.4515, 55.5207



37.9053, 33.4515, 23.1080



26.7218, 33.4515, 22.2996



26.3788, 33.4515, 54.0663

Rectangle

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



37.4720, 33.4515, 55.5207



40.3212, 33.4515, 35.2525



26.7218, 33.4515, 22.2996



24.5638, 33.4515, 37.6192

Sweetspot

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



37.4731, 33.4529, 55.5214



84.9735, 85.7748, 104.5474



35.3751, 37.5716, 56.4270



18.4639, 18.5674, 22.8607



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.



37.4731, 33.4529, 55.5214



63.0941, 53.7439, 99.5180



41.9099, 35.7813, 53.8731



10.0785, 10.0316, 12.6899



10.9886, 4.9252, 33.9281



0.5518, 0.2525, 1.4695

Inverse Universe

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



39.4111, 34.7818, 40.7144



67.3927, 56.6789, 67.2386



36.5878, 46.8717, 35.6379



10.2434, 10.1460, 11.3721



15.6388, 7.9453, 6.0101



0.7100, 0.3570, 0.4403

Previews

White Background



This preview shows how the XYZ color 37.4720, 33.4515, 55.5207 looks on a white background.

Color Contrast Check

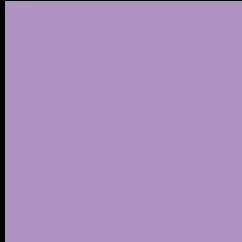
Large Text (above 18pt) WCAG AA × Fail

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 37.4720, 33.4515, 55.5207 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

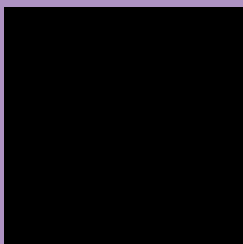
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

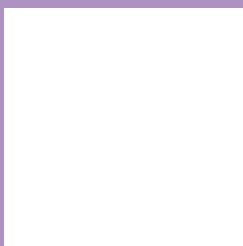
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.4720, 33.4515, 55.5207

Background



This preview shows how black text looks on a background with the XYZ color 37.4720, 33.4515, 55.5207.



This preview shows how white text looks on a background with the XYZ color 37.4720, 33.4515,

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

37.4720, 33.4515, 55.5207

Protanopia

33.8237, 33.6326, 59.3526

Deuteranopia

34.3433, 33.5027, 55.1087



Tritanopia

34.2913, 33.5718, 39.7946

Trichromacy



Original Color

37.4720, 33.4515, 55.5207

Protanomaly

35.1316, 33.6016, 58.0602

Deuteranomaly

35.2299, 33.2400, 55.0112

Tritanomaly

35.4388, 33.5658, 45.1685

Monochromacy



Original Color

37.4720, 33.4515, 55.5207

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

34.6848, 34.4206, 43.8455

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.4720, 33.4515, 55.5207 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(174, 146, 194)` looks like.

```
.text, #text, p{  
    color:rgb(174, 146, 194)  
}
```

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(174, 146, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 146, 194) }
```

Border

The CSS property to change the border of an element to XYZ 37.4720, 33.4515, 55.5207 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(174, 146, 194) }
```


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

```
.border{ border-color:rgb(174, 146, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 146, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 146, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 146, 194);  
box-shadow:4px 4px 4px 4px rgb(174, 146,  
194) }
```

Background

The CSS property to change the background color of an element to XYZ 37.4720, 33.4515, 55.5207 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 146, 194) }
```

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

```
.background{ background-color: rgb(174,  
146, 194) }
```

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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