

Converting Colors

XYZ(37.5753, 34.8427, 67.4925)

Have a look what the booklet for
XYZ(37.5753, 34.8427, 67.4925)
contains.

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Color

**XYZ(37.6995, 34.9575,
67.7113)**

Conversions

Conversions Part 1

Format	Color
Hex	9F99D5
RGB	159, 153, 213
RGB Percent	62%, 60%, 84%
CMY	0.3765, 0.4000, 0.1647
CMYK	0.25, 0.28, 0.00, 0.16
HSL	246°, 42%, 72%
HSV	246°, 28%, 84%
XYZ	37.6995, 34.9575, 67.7113
YIQ	161.6340, -15.6840, 19.9320

Conversions

Conversions Part 2

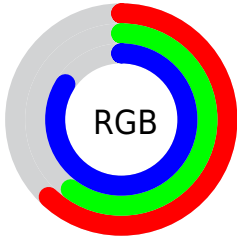
Format	Color
R_{YB}	159, 153, 213
Decimal	10459605
CIE _{Lab}	65.72, 15.15, -29.82
CIE _{LCh}	66, 33.449, 296.925
Yxy	34.9575, 0.2686, 0.2490
Android (android.graphics.Color)	4288649685 (0xFF9F99D5)
YUV	161.6340, 25.3234, -2.3100
Hunter-Lab	59.1249, 10.3476, -26.5130

Details

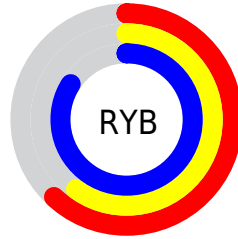
The XYZ color **37.6995, 34.9575, 67.7113** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **55.2773, 63.1547, 39.4151**, and the grayscale version is **34.0632, 35.8372, 39.0267**.

A 20% lighter version of the original color is **68.3872, 66.2927, 103.7991**, and **16.8668, 15.0355, 34.3609** is the 20% darker color. If you saturate the color by 10%, you get **31.0083, 26.7872, 66.4875**, and if you desaturate by 10%, it is **45.6049, 44.6791, 69.1717**.

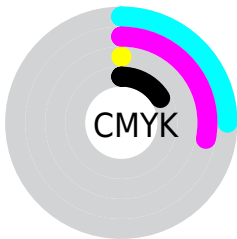
Distribution



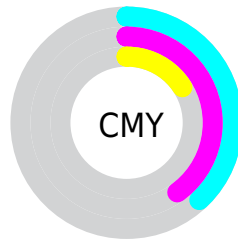
- Red (62%)
- Green (60%)
- Blue (84%)



- Red (62%)
- Yellow (60%)
- Blue (84%)



- Cyan (25%)
- Magenta (28%)
- Yellow (0%)
- Black (16%)



- Cyan (38%)
- Magenta (40%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.6995, 34.9575, 67.7113 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 37.6995, 34.9575, 67.7113 by changing the saturation by 10% instead.

■ 37.6995, 34.9575,
67.7113

■ 37.6995, 34.9575,
67.7113

327.6323,
324.3807, 471.0427

■ 25.9257, 23.6301,
49.1977

■ 70.9542, 67.4199,
117.5893

■ 16.9005, 15.0595,
34.4096

■ 93.1658, 89.3238,
149.7909

■ 10.2584, 8.8611,
22.9285

119.5874,
115.5219, 187.3921

■ 5.6342, 4.6507,
14.3359

150.5843,
146.3987, 230.8115

■ 2.6625, 2.0438,
8.2133

186.5219,
182.3386, 280.4678

■ 0.9779, 0.6327,
4.1420

227.7655,

■ 0.0000, 0.0000,

223.7260, 336.7794

1.7036

274.6805,
270.9452, 400.1648

■ 0.0000, 0.0000,
0.3632

■ 0.0000, 0.0000,
0.0000

■ 37.6995, 34.9575,
67.7113

■ 37.6995, 34.9575,
67.7113

■ 31.0083, 26.7872,
66.4875

■ 45.6049, 44.6791,
69.1717

■ 25.4677, 20.0837,
65.4857

■ 54.7769, 56.0221,
70.8777

■ 21.0133, 14.7612,
64.6931

■ 65.2693, 69.0575,
72.8408

■ 17.5732, 10.7228,
64.0949

■ 77.1315, 83.8508,
75.0710

■ 15.0666, 7.8594,
63.6743

■ 88.9568, 97.5565,
77.0932

■ 13.4002, 6.0431,
63.4116

■ 89.0104, 97.5841,
77.0957

■ 12.4489, 5.0931,
63.2783

■ 12.3259, 4.9668,
63.2604

Harmonies

Analogous

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



32.7209, 34.9575, 72.0585



37.6995, 34.9575, 67.7113



41.8061, 34.9575, 54.8571

Triad

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



37.6995, 34.9575, 67.7113



38.6643, 34.9575, 19.5655



24.6417, 34.9575, 36.6271

Complementary

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



37.6995, 34.9575, 67.7113



55.2773, 63.1547, 39.4151

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.



25.9084, 34.9575, 25.1022



37.6995, 34.9575, 67.7113



33.7364, 34.9575, 16.9025

Square

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



37.6995, 34.9575, 67.7113



42.4007, 34.9575, 27.0591



29.1213, 34.9575, 18.6472



25.4807, 34.9575, 51.7060

Rectangle

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



37.6995, 34.9575, 67.7113



43.3259, 34.9575, 44.5308



29.1213, 34.9575, 18.6472



24.8321, 34.9575, 32.2535

Sweetspot

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



37.7007, 34.9589, 67.7121



82.4488, 84.3504, 106.5435



47.7040, 56.6891, 71.3792



17.1715, 17.4646, 22.7159



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.



37.7007, 34.9589, 67.7121



50.2324, 44.6796, 100.5842



44.1417, 38.2794, 68.0135



11.8567, 12.0675, 15.6419



7.5690, 3.0545, 38.6438



0.4968, 0.2050, 2.3327

Inverse Universe

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



50.0954, 41.4350, 64.3903



71.9836, 56.0504, 94.4806



47.9052, 59.3542, 39.0701



12.8970, 12.6103, 15.3979



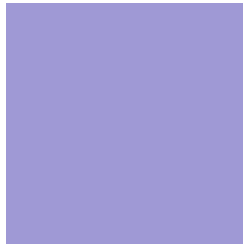
22.5753, 10.9665, 31.3974



1.3775, 0.6678, 1.9771

Previews

White Background



This preview shows how the XYZ color 37.6995, 34.9575, 67.7113 looks on a white background.

Color Contrast Check

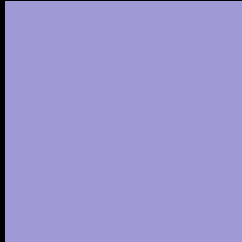
Large Text (above 18pt) WCAG AA × Fail

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 37.6995, 34.9575, 67.7113 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

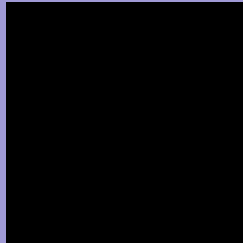
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.6995, 34.9575, 67.7113

Background



This preview shows how black text looks on a background with the XYZ color 37.6995, 34.9575, 67.7113.



This preview shows how white text looks on a background with the XYZ color 37.6995, 34.9575,

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

37.6995, 34.9575, 67.7113

Protanopia

35.7793, 34.9114, 69.8186

Deuteranopia

35.7947, 34.9784, 67.1523



Tritanopia

33.0502, 35.0862, 44.5655

Trichromacy



Original Color

37.6995, 34.9575, 67.7113

Protanomaly

36.5486, 35.0728, 69.1334

Deuteranomaly

36.5346, 35.1097, 67.1386

Tritanomaly

34.6304, 34.9546, 52.4986

Monochromacy



Original Color

37.6995, 34.9575, 67.7113

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

35.4366, 35.7095, 48.7410

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.6995, 34.9575, 67.7113 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(159, 153, 213)` looks like.

```
.text, #text, p{  
    color:rgb(159, 153, 213)  
}
```

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(159, 153, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 153, 213) }
```

Border

The CSS property to change the border of an element to XYZ 37.6995, 34.9575, 67.7113 is called "border". The border property can be set on classes, ids or directly on the HTML element.

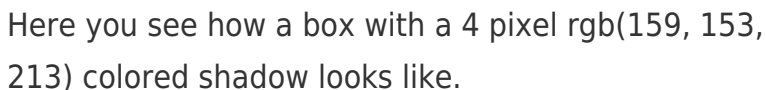
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(159, 153, 213) }
```


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

```
.border{ border-color:rgb(159, 153, 213) }
```

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



Here you see how a box with a 4 pixel `rgb(159, 153, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(159, 153, 213); -webkit-box-shadow:4px 4px 4px 4px rgb(159, 153, 213); box-shadow:4px 4px 4px 4px rgb(159, 153, 213) }
```

Background

The CSS property to change the background color of an element to XYZ 37.6995, 34.9575, 67.7113 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 153, 213) }
```

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

```
.background{ background-color: rgb(159,  
153, 213) }
```

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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