

Converting Colors

XYZ(38.1390, 35.4409, 59.6466)

Have a look what the booklet for
XYZ(38.1390, 35.4409, 59.6466)
contains.

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Color

**XYZ(37.9650, 35.2774,
59.4518)**

Conversions

Conversions Part 1

Format	Color
Hex	A899C8
RGB	168, 153, 200
RGB Percent	66%, 60%, 78%
CMY	0.3412, 0.4000, 0.2157
CMYK	0.16, 0.23, 0.00, 0.22
HSL	259°, 30%, 69%
HSV	259°, 23%, 78%
XYZ	37.9650, 35.2774, 59.4518
YIQ	162.8430, -6.1470, 17.7970

Conversions

Conversions Part 2

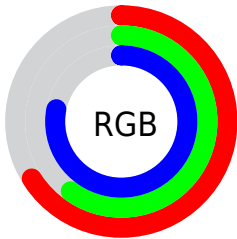
Format	Color
RYB	168, 153, 200
Decimal	11049416
CIELab	65.96, 14.94, -22.15
CIELCh	66, 26.715, 303.992
Yxy	35.2774, 0.2861, 0.2659
Android (android.graphics.Color)	4289239496 (0xFFA899C8)
YUV	162.8430, 18.3184, 4.5227
Hunter-Lab	59.3948, 10.1559, -17.7706

Details

The XYZ color **37.9650, 35.2774, 59.4518** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **46.4127, 53.9236, 38.1006**, and the grayscale version is **34.6581, 36.4630, 39.7082**.

A 20% lighter version of the original color is **71.1033, 67.6929, 103.9262**, and **17.0099, 15.2229, 29.2359** is the 20% darker color. If you saturate the color by 10%, you get **32.2132, 27.8540, 58.3227**, and if you desaturate by 10%, it is **44.5713, 43.9575, 60.7796**.

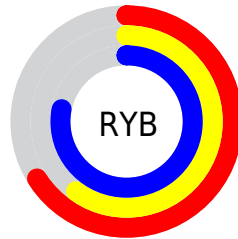
Distribution



Red (66%)

Green (60%)

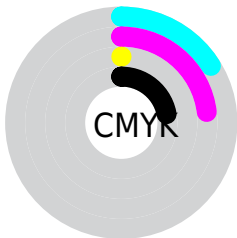
Blue (78%)



Red (66%)

Yellow (60%)

Blue (78%)

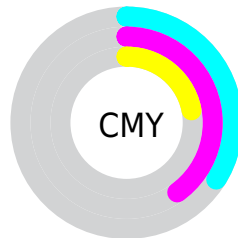


Cyan (16%)

Magenta (23%)

Yellow (0%)

Black (22%)



Cyan (34%)

Magenta (40%)

Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.9650, 35.2774, 59.4518 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 37.9650, 35.2774, 59.4518 by changing the saturation by 10% instead.

■ 37.9650, 35.2774,
59.4518

■ 37.9650, 35.2774,
59.4518

328.7533,
325.7911, 440.3226

■ 26.1326, 23.8766,
42.5545

■ 71.3587, 67.9153,
105.5696

■ 17.0561, 15.2421,
29.2069

■ 93.6508, 89.9212,
135.6272

■ 10.3700, 8.9895,
18.9905

120.1601,
116.2309, 170.9086

■ 5.7091, 4.7343,
11.4867

151.2521,
147.2289, 211.8325

■ 2.7080, 2.0922,
6.2769

187.2920,
183.2995, 258.8173

■ 1.0013, 0.6603,
2.9427

228.6453,

■ 0.0000, 0.0000,

224.8272, 312.2815

1.0654

275.6772,
272.1962, 372.6438

■ 0.0000, 0.0000,
0.0000

■ 37.9650, 35.2774,
59.4518

■ 37.9650, 35.2774,
59.4518

■ 32.2132, 27.8540,
58.3227

■ 44.5713, 43.9575,
60.7796

■ 27.2759, 21.6235,
57.3803

■ 52.0631, 53.9454,
62.3126

■ 23.1148, 16.5230,
56.6151

■ 60.4739, 65.2946,
64.0599

■ 19.6870, 12.4818,
56.0157

■ 69.8343, 78.0544,
66.0295

■ 16.9448, 9.4212,
55.5695

■ 80.1736, 92.2713,
68.2287

■ 14.8346, 7.2507,
55.2618

■ 85.5046, 95.9599,
68.6597

■ 13.2929, 5.8621,
55.0750

■ 87.4254, 96.9502,
68.7496

■ 12.5286, 5.2544,
54.9980

Harmonies

Analogous

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



34.0624, 35.2774, 64.4985



37.9650, 35.2774, 59.4518



40.8414, 35.2774, 48.7773

Triad

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



37.9650, 35.2774, 59.4518



36.9774, 35.2774, 21.9708



26.5001, 35.2774, 39.9476

Complementary

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



37.9650, 35.2774, 59.4518



46.4127, 53.9236, 38.1006

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.



27.1480, 35.2774, 29.6286



37.9650, 35.2774, 59.4518



33.0034, 35.2774, 20.5203

Square

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



37.9650, 35.2774, 59.4518



40.2404, 35.2774, 27.4739



29.4548, 35.2774, 23.0324



27.6106, 35.2774, 51.9227

Rectangle

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



37.9650, 35.2774, 59.4518



41.6779, 35.2774, 40.7367



29.4548, 35.2774, 23.0324



26.5201, 35.2774, 36.1757

Sweetspot

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



37.9661, 35.2789, 59.4526



85.2868, 86.9027, 106.8865



40.9367, 45.6903, 61.3056



18.0827, 18.3709, 22.8428



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.



37.9661, 35.2789, 59.4526



60.6685, 54.5122, 101.9321



43.4000, 38.0801, 59.7069



10.3700, 10.4490, 13.3878



8.0492, 3.3838, 34.9733



0.4571, 0.1994, 1.6595

Inverse Universe

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



43.9687, 38.5660, 51.0269



72.8934, 61.2134, 84.4767



41.2277, 51.2506, 37.8580



10.9335, 10.7568, 12.6331



18.0210, 8.9579, 15.8520



0.8852, 0.4369, 0.9187

Previews

White Background



This preview shows how the XYZ color 37.9650, 35.2774, 59.4518 looks on a white background.

Color Contrast Check

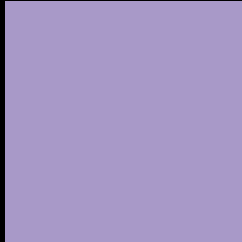
Large Text (above 18pt) WCAG AA × Fail

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 37.9650, 35.2774, 59.4518 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

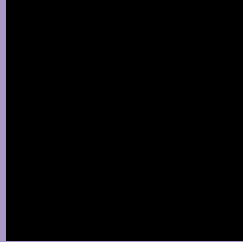
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.9650, 35.2774, 59.4518

Background



This preview shows how black text looks on a background with the XYZ color 37.9650, 35.2774, 59.4518.



This preview shows how white text looks on a background with the XYZ color 37.9650, 35.2774,

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

37.9650, 35.2774, 59.4518

Protanopia

35.6916, 35.5455, 62.1066

Deuteranopia

36.0761, 35.3054, 58.9460



Tritanopia

34.6818, 35.1805, 43.4907

Trichromacy



Original Color

37.9650, 35.2774, 59.4518

Protanomaly

36.5468, 35.4937, 61.4247

Deuteranomaly

36.6945, 35.3740, 58.9267

Tritanomaly

35.8490, 35.1537, 49.1519

Monochromacy



Original Color

37.9650, 35.2774, 59.4518

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

35.7517, 35.9302, 46.1252

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.9650, 35.2774, 59.4518 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, 153, 200)` looks like.

```
.text, #text, p{  
    color:rgb(168, 153, 200)  
}
```

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, 153, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 153, 200) }
```

Border

The CSS property to change the border of an element to XYZ 37.9650, 35.2774, 59.4518 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, 153, 200) }
```


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

```
.border{ border-color:rgb(168, 153, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 153, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 153, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 153, 200);  
box-shadow:4px 4px 4px 4px rgb(168, 153,  
200) }
```

Background

The CSS property to change the background color of an element to XYZ 37.9650, 35.2774, 59.4518 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 153, 200) }
```

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

```
.background{ background-color: rgb(168,  
153, 200) }
```

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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