

Converting Colors

XYZ(34.8622, 37.8564, 58.8957)

Have a look what the booklet for
XYZ(34.8622, 37.8564, 58.8957)
contains.

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Color

**XYZ(34.8622, 37.8564,
58.8957)**

Conversions

Conversions Part 1

Format	Color
Hex	8AA9C6
RGB	138, 169, 198
RGB Percent	54%, 66%, 78%
CMY	0.4588, 0.3372, 0.2235
CMYK	0.30, 0.15, 0.00, 0.22
HSL	209°, 34%, 66%
HSV	209°, 30%, 78%
XYZ	34.8622, 37.8564, 58.8957
YIQ	163.0370, -27.7850, 2.4470

Conversions

Conversions Part 2

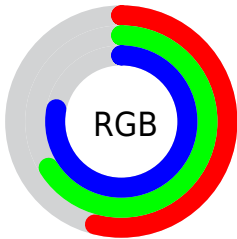
Format	Color
RYB	138, 158, 198
Decimal	9087430
CIELab	67.91, -3.79, -18.28
CIElCh	68, 18.665, 258.285
Yxy	37.8564, 0.2649, 0.2876
Android (android.graphics.Color)	4287277510 (0xFF8AA9C6)
YUV	163.0370, 17.2368, -21.9574
Hunter-Lab	61.5276, -6.5331, -13.6846

Details

The XYZ color **34.8622, 37.8564, 58.8957** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **41.6954, 41.4785, 29.8543**, and the grayscale version is **34.7617, 36.5720, 39.8270**.

A 20% lighter version of the original color is **66.6980, 71.8688, 104.9644**, and **15.2331, 16.7146, 28.8089** is the 20% darker color. If you saturate the color by 10%, you get **30.1647, 32.8887, 58.1851**, and if you desaturate by 10%, it is **40.2895, 43.3956, 59.6795**.

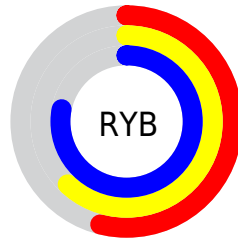
Distribution



Red (54%)

Green (66%)

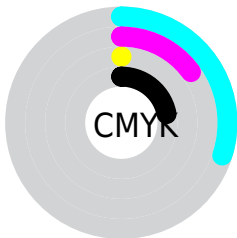
Blue (78%)



Red (54%)

Yellow (62%)

Blue (78%)

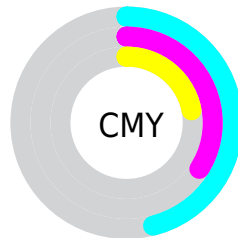


Cyan (30%)

Magenta (15%)

Yellow (0%)

Black (22%)



Cyan (46%)

Magenta (34%)

Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.8622, 37.8564, 58.8957 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 34.8622, 37.8564, 58.8957 by changing the saturation by 10% instead.

■ 34.8622, 37.8564,
58.8957

■ 34.8622, 37.8564,
58.8957

315.4784,
337.0036, 438.2064

■ 23.7228, 25.8713,
42.1097

■ 66.6077, 71.8880,
104.7537

■ 15.2517, 16.7274,
28.8610

■ 87.9444, 94.7032,
134.6628

■ 9.0837, 10.0403,
18.7310

■ 113.4110,
121.8973, 169.7833

■ 4.8534, 5.4257,
11.3012

143.3727,
153.8545, 210.5338

■ 2.1954, 2.4991,
6.1531

178.1949,
190.9594, 257.3328

■ 0.7403, 0.8762,
2.8681

218.2431,

■ 0.0000, 0.0000,

233.5962, 310.5989

1.0277

263.8824,
282.1495, 370.7506

■ 0.0000, 0.0000,
0.0000

■ 34.8622, 37.8564,
58.8957

■ 34.8622, 37.8564,
58.8957

■ 30.1647, 32.8887,
58.1851

■ 40.2895, 43.3956,
59.6795

■ 26.1584, 28.4657,
57.5425

■ 46.4759, 49.5226,
60.5360

■ 22.8058, 24.5649,
56.9663

■ 53.4531, 56.2586,
61.4685

■ 20.0645, 21.1599,
56.4535

■ 61.2499, 63.6223,
62.4789

■ 17.8862, 18.2212,
56.0011

■ 69.8937, 71.6313,
63.5692

■ 16.2143, 15.7149,
55.6055

■ 78.7441, 79.9590,
64.7101

■ 14.9746, 13.6402,
55.2703

■ 81.4258, 85.3225,
65.6041

■ 84.2552, 90.9813,
66.5472

■ 87.1932, 96.8573,
67.5265

Harmonies

Analogous

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



32.4007, 37.8564, 54.3108



34.8622, 37.8564, 58.8957



37.7574, 37.8564, 58.2974

Triad

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



34.8622, 37.8564, 58.8957



41.5337, 37.8564, 36.4140



31.9815, 37.8564, 31.4891

Complementary

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



34.8622, 37.8564, 58.8957



41.6954, 41.4785, 29.8543

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.



34.2619, 37.8564, 27.8517



34.8622, 37.8564, 58.8957



39.8166, 37.8564, 30.4211

Square

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



34.8622, 37.8564, 58.8957



41.7158, 37.8564, 44.5438



37.1242, 37.8564, 27.4889



30.7982, 37.8564, 38.0642

Rectangle

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



34.8622, 37.8564, 58.8957



39.5440, 37.8564, 55.0517



37.1242, 37.8564, 27.4889



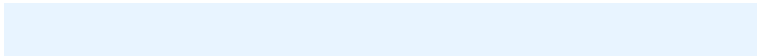
32.6394, 37.8564, 29.9226

Sweetspot

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



34.8634, 37.8579, 58.8966



83.6680, 89.0302, 107.3825



37.5591, 48.5454, 43.4679



17.5384, 18.6949, 22.9340



0.0000, 0.0000, 0.0000



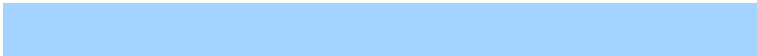
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



34.8634, 37.8579, 58.8966



56.3983, 61.4337, 103.4931



30.0532, 28.2376, 57.2932



10.5023, 11.1787, 13.5217



9.8243, 9.0426, 35.9720



0.5375, 0.5728, 1.7274

Inverse Universe

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



39.5396, 33.0483, 41.8327



66.0845, 52.2102, 67.9811



47.6168, 53.3214, 31.8281



10.8588, 10.7269, 12.2399



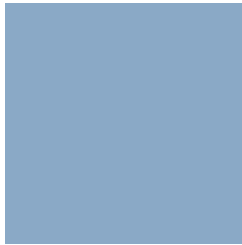
16.7582, 8.4528, 9.2025



0.8300, 0.4148, 0.6279

Previews

White Background



This preview shows how the XYZ color 34.8622, 37.8564, 58.8957 looks on a white background.

Color Contrast Check

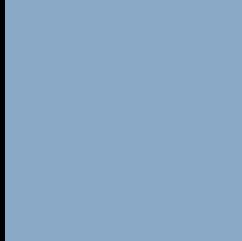
Large Text (above 18pt) WCAG AA × Fail

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 34.8622, 37.8564, 58.8957 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

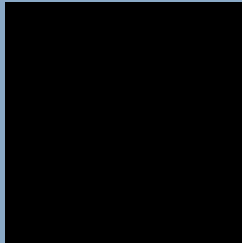
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

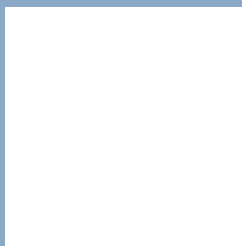
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.8622, 37.8564, 58.8957

Background



This preview shows how black text looks on a background with the XYZ color 34.8622, 37.8564, 58.8957.



This preview shows how white text looks on a background with the XYZ color 34.8622, 37.8564,

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

34.8622, 37.8564, 58.8957

Protanopia

37.3111, 37.8169, 56.3718

Deuteranopia

38.4800, 37.5524, 59.8638



Tritanopia

33.3115, 37.7795, 51.4354

Trichromacy



Original Color

34.8622, 37.8564, 58.8957

Protanomaly

36.2490, 37.7919, 57.0138

Deuteranomaly

37.1018, 37.6430, 59.3432

Tritanomaly

33.8223, 37.7014, 54.2097

Monochromacy



Original Color

34.8622, 37.8564, 58.8957

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

34.6180, 36.9149, 46.3750

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.8622, 37.8564, 58.8957 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(138, 169, 198)` looks like.

```
.text, #text, p{  
    color:rgb(138, 169, 198)  
}
```

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(138, 169, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 169, 198) }
```

Border

The CSS property to change the border of an element to XYZ 34.8622, 37.8564, 58.8957 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(138, 169, 198) }
```


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

```
.border{ border-color:rgb(138, 169, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 169, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 169, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 169, 198);  
box-shadow:4px 4px 4px 4px rgb(138, 169,  
198) }
```

Background

The CSS property to change the background color of an element to XYZ 34.8622, 37.8564, 58.8957 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 169, 198) }
```

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

```
.background{ background-color: rgb(138,  
169, 198) }
```

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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