

Converting Colors

XYZ(34.3330, 37.6605, 56.3816)

Have a look what the booklet for
XYZ(34.3330, 37.6605, 56.3816)
contains.

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Color

**XYZ(34.4068, 37.6742,
56.4974)**

Conversions

Conversions Part 1

Format	Color
Hex	8AA9C2
RGB	138, 169, 194
RGB Percent	54%, 66%, 76%
CMY	0.4588, 0.3372, 0.2392
CMYK	0.29, 0.13, 0.00, 0.24
HSL	207°, 31%, 65%
HSV	207°, 29%, 76%
XYZ	34.4068, 37.6742, 56.4974
YIQ	162.5810, -26.5010, 1.2030

Conversions

Conversions Part 2

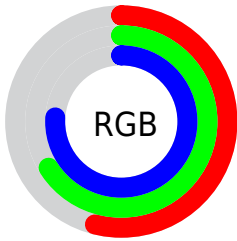
Format	Color
R _{YB}	138, 158, 194
Decimal	9087426
CIE _{Lab}	67.78, -4.77, -16.27
CIE _{LCh}	68, 16.952, 253.644
Yxy	37.6742, 0.2676, 0.2930
Android (android.graphics.Color)	4287277506 (0xFF8AA9C2)
YUV	162.5810, 15.4896, -21.5575
Hunter-Lab	61.3793, -7.3538, -11.6087

Details

The XYZ color **34.4068, 37.6742, 56.4974** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **39.9334, 39.4992, 29.5652**, and the grayscale version is **34.5546, 36.3541, 39.5897**.

A 20% lighter version of the original color is **66.0606, 71.6138, 101.6079**, and **14.9327, 16.5945, 27.2270** is the 20% darker color. If you saturate the color by 10%, you get **29.9214, 33.0496, 55.8418**, and if you desaturate by 10%, it is **39.5746, 42.8108, 57.2171**.

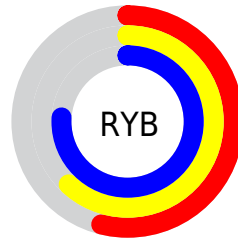
Distribution



Red (54%)

Green (66%)

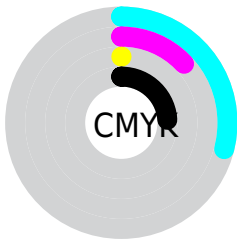
Blue (76%)



Red (54%)

Yellow (62%)

Blue (76%)

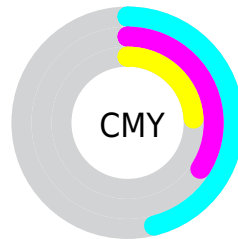


Cyan (29%)

Magenta (13%)

Yellow (0%)

Black (24%)



Cyan (46%)

Magenta (34%)

Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.4068, 37.6742, 56.4974 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 34.4068, 37.6742, 56.4974 by changing the saturation by 10% instead.

■ 34.4068, 37.6742,
56.4974

■ 34.4068, 37.6742,
56.4974

313.4963,
336.2203, 429.0042

■ 23.3707, 25.7299,
40.1952

■ 65.9059, 71.6085,
101.2245

■ 14.9896, 16.6217,
27.3758

■ 87.0995, 94.3673,
130.4865

■ 8.8984, 9.9651,
17.6207

■ 112.4097,
121.4998, 164.9054

■ 4.7315, 5.3759,
10.5114

142.2018,
153.3902, 204.8999

■ 2.1237, 2.4694,
5.6293

176.8411,
190.4231, 250.8885

■ 0.7021, 0.8613,
2.5559

216.6931,

■ 0.0000, 0.0000,

232.9828, 303.2897

0.8696

262.1230,
281.4538, 362.5221

■ 0.0000, 0.0000,
0.0000

■ 34.4068, 37.6742,
56.4974

■ 34.4068, 37.6742,
56.4974

■ 29.9214, 33.0496,
55.8418

■ 39.5746, 42.8108,
57.2171

■ 26.0822, 28.9127,
55.2457

■ 45.4515, 48.4735,
58.0004

■ 22.8551, 25.2436,
54.7075

■ 52.0671, 54.6812,
58.8499

■ 20.2008, 22.0187,
54.2250

■ 59.4480, 61.4505,
59.7675

■ 18.0750, 19.2120,
53.7953

■ 67.6195, 68.7973,
60.7549

■ 16.4260, 16.7934,
53.4153

■ 76.6058, 76.7366,
61.8137

■ 15.1681, 14.7150,
53.0804

■ 79.1704, 81.5404,
62.6058

■ 15.0370, 14.4937,
53.0446

■ 81.6355, 86.4707,
63.4275

■ 84.2220, 91.6436,
64.2896

Harmonies

Analogous

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



32.2816, 37.6742, 51.8174



34.4068, 37.6742, 56.4974



37.0109, 37.6742, 56.7167

Triad

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



34.4068, 37.6742, 56.4974



40.9356, 37.6742, 37.7076



32.4394, 37.6742, 31.4323

Complementary

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



34.4068, 37.6742, 56.4974



39.9334, 39.4992, 29.5652

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.



34.6318, 37.6742, 28.5260



34.4068, 37.6742, 56.4974



39.5827, 37.6742, 31.8388

Square

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



34.4068, 37.6742, 56.4974



40.8681, 37.6742, 45.2237



37.2471, 37.6742, 28.6651



31.1842, 37.6742, 37.0867

Rectangle

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



34.4068, 37.6742, 56.4974



38.6753, 37.6742, 54.2567



37.2471, 37.6742, 28.6651



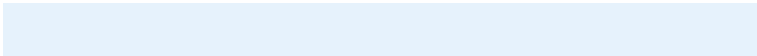
33.0864, 37.6742, 30.1342

Sweetspot

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



34.4080, 37.6757, 56.4983



82.0322, 87.5226, 105.0398



36.3192, 46.6058, 41.3894



17.6012, 18.8206, 22.9550



0.0000, 0.0000, 0.0000



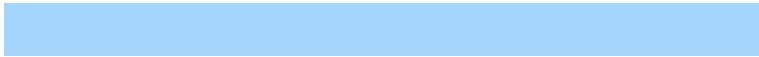
20.3446, 21.4041, 23.3091

Same Dimension

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



34.4080, 37.6757, 56.4983



56.7670, 62.5511, 101.5514



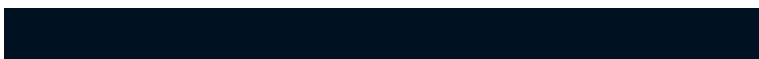
29.8532, 28.5661, 54.9800



9.9802, 10.6517, 12.8148



9.9692, 9.6948, 34.9025



0.4987, 0.5547, 1.5307

Inverse Universe

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



38.4990, 32.5119, 41.7840



65.6112, 52.1680, 69.5666



45.3076, 50.2476, 31.3566



10.3013, 10.1691, 11.6772



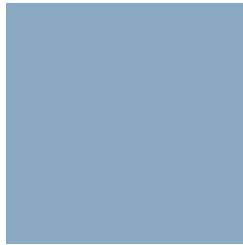
16.4279, 8.2609, 10.1655



0.7441, 0.3706, 0.6198

Previews

White Background



This preview shows how the XYZ color 34.4068, 37.6742, 56.4974 looks on a white background.

Color Contrast Check

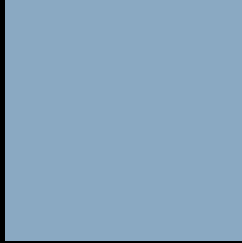
Large Text (above 18pt) WCAG AA × Fail

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 34.4068, 37.6742, 56.4974 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 34.4068, 37.6742, 56.4974

Background



This preview shows how black text looks on a background with the XYZ color 34.4068, 37.6742, 56.4974.



This preview shows how white text looks on a background with the XYZ color 34.4068, 37.6742,

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

34.4068, 37.6742, 56.4974

Protanopia

36.8887, 37.3857, 53.9871

Deuteranopia

38.4346, 37.5823, 57.4529



Tritanopia

33.3680, 37.8208, 50.8889

Trichromacy



Original Color

34.4068, 37.6742, 56.4974

Protanomaly

35.8080, 37.3473, 54.6117

Deuteranomaly

36.8361, 37.5590, 56.9379

Tritanomaly

33.7684, 37.6987, 53.0737

Monochromacy



Original Color

34.4068, 37.6742, 56.4974

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

34.4215, 36.8363, 45.3403

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.4068, 37.6742, 56.4974 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, 194)` looks like.

```
.text, #text, p{  
    color:rgb(138, 169, 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(138, 169, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 169, 194) }
```

Border

The CSS property to change the border of an element to XYZ 34.4068, 37.6742, 56.4974 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, 194) }
```


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

```
.border{ border-color:rgb(138, 169, 194) }
```

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, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 169, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 169, 194);  
box-shadow:4px 4px 4px 4px rgb(138, 169,  
194) }
```

Background

The CSS property to change the background color of an element to XYZ 34.4068, 37.6742, 56.4974 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, 194) }
```

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

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