

Converting Colors

XYZ(34.2817, 37.6952, 42.6116)

Have a look what the booklet for
XYZ(34.2817, 37.6952, 42.6116)
contains.

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Color

**XYZ(34.2074, 37.6047,
42.5013)**

Conversions

Conversions Part 1

Format	Color
Hex	99A8A8
RGB	153, 168, 168
RGB Percent	60%, 66%, 66%
CMY	0.4000, 0.3412, 0.3412
CMYK	0.09, 0.00, 0.00, 0.34
HSL	180°, 8%, 63%
HSV	180°, 9%, 66%
XYZ	34.2074, 37.6047, 42.5013
YIQ	163.5150, -8.9400, -3.1800

Conversions

Conversions Part 2

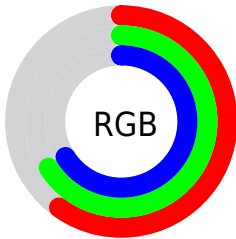
Format	Color
RYB	153, 161, 168
Decimal	10070184
CIELab	67.73, -5.24, -1.81
CIELCh	68, 5.544, 199.014
Yxy	37.6047, 0.2992, 0.3290
Android (android.graphics.Color)	4288260264 (0xFF99A8A8)
YUV	163.5150, 2.2111, -9.2217
Hunter-Lab	61.3227, -7.7427, 1.8334

Details

The XYZ color **34.2074, 37.6047, 42.5013** is a light color, and the websafe version is hex **999999**. A complement of this color would be **33.2908, 33.4083, 34.8326**, and the grayscale version is **35.0501, 36.8754, 40.1573**.

A 20% lighter version of the original color is **65.4391, 71.3685, 80.1385**, and **14.8773, 16.5765, 18.9385** is the 20% darker color. If you saturate the color by 10%, you get **31.2571, 36.0848, 42.3627**, and if you desaturate by 10%, it is **37.6063, 39.3579, 42.6625**.

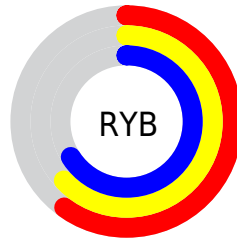
Distribution



Red (60%)

Green (66%)

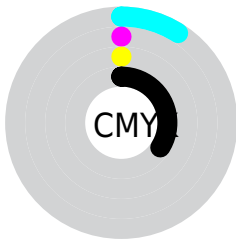
Blue (66%)



Red (60%)

Yellow (63%)

Blue (66%)

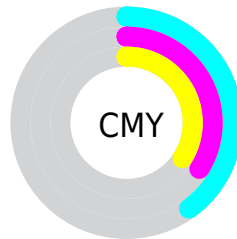


Cyan (9%)

Magenta (0%)

Yellow (0%)

Black (34%)



Cyan (40%)

Magenta (34%)

Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.2074, 37.6047, 42.5013 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 34.2074, 37.6047, 42.5013 by changing the saturation by 10% instead.

■ 34.2074, 37.6047,
42.5013

■ 34.2074, 37.6047,
42.5013

312.6255,
335.9212, 372.4176

■ 23.2166, 25.6760,
29.1655

■ 65.5982, 71.5018,
80.2360

■ 14.8751, 16.5814,
18.9594

■ 86.7290, 94.2391,
105.4721

■ 8.8175, 9.9365,
11.4644

111.9704,
121.3480, 135.5119

■ 4.6785, 5.3569,
6.2621

141.6879,
153.2130, 170.7741

■ 2.0927, 2.4581,
2.9337

176.2468,
190.2184, 211.6773

■ 0.6852, 0.8556,
1.0609

216.0125,

■ 0.0000, 0.0000,

232.7486, 258.6399

0.0000

261.3503,
281.1881, 312.0805

■ 34.2074, 37.6047,
42.5013

■ 34.2074, 37.6047,
42.5013

■ 31.2571, 36.0848,
42.3627

■ 37.6063, 39.3579,
42.6625

■ 28.7337, 34.7840,
42.2432

■ 41.4682, 41.3487,
42.8446

■ 26.6183, 33.6935,
42.1429

■ 45.8105, 43.5873,
43.0492

■ 24.8896, 32.8024,
42.0606

■ 50.6490, 46.0816,
43.2770

■ 23.5242, 32.0985,
41.9954

■ 55.9988, 48.8395,
43.5287

■ 22.4962, 31.5686,
41.9459

■ 61.8741, 51.8683,
43.8050

■ 21.7762, 31.1974,
41.9108

■ 62.3131, 52.0945,
43.8269

■ 21.3300, 30.9674,
41.8886

■ 62.3134, 52.0947,
43.8282

■ 21.0915, 30.8445,
41.8761

■ 62.3136, 52.0948,
43.8296

Harmonies

Analogous

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



34.1495, 37.6047, 40.0527



34.2074, 37.6047, 42.5013



34.6727, 37.6047, 44.6102

Triad

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



34.2074, 37.6047, 42.5013



37.0000, 37.6047, 44.1176



36.0569, 37.6047, 36.4867

Complementary

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



34.2074, 37.6047, 42.5013



33.2908, 33.4083, 34.8326

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.



36.8334, 37.6047, 37.4865



34.2074, 37.6047, 42.5013



37.3836, 37.6047, 41.8507

Square

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



34.2074, 37.6047, 42.5013



36.2815, 37.6047, 45.5688



37.3221, 37.6047, 39.4274



35.2082, 37.6047, 36.6453

Rectangle

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



34.2074, 37.6047, 42.5013



35.1555, 37.6047, 45.5092



37.3221, 37.6047, 39.4274



36.3353, 37.6047, 36.6968

Sweetspot

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



34.2085, 37.6063, 42.5021



65.5951, 70.0544, 77.2890



32.9376, 37.1034, 35.5634



14.1904, 15.2139, 16.8406



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



34.2085, 37.6063, 42.5021



60.7865, 67.5755, 77.0619



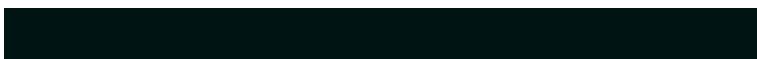
32.9071, 35.0031, 42.0695



7.7475, 8.5321, 9.6566



15.9097, 23.2826, 31.6208



0.3871, 0.5665, 0.7694

Inverse Universe

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



33.2908, 33.4083, 34.8326



58.7294, 58.1645, 59.8686



34.5138, 35.8545, 35.2392



7.5312, 7.5423, 7.8484



12.1948, 6.2866, 0.5714



0.2967, 0.1530, 0.0140

Previews

White Background



This preview shows how the XYZ color 34.2074, 37.6047, 42.5013 looks on a white background.

Color Contrast Check

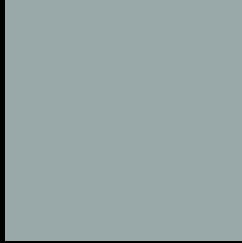
Large Text (above 18pt) WCAG AA × Fail

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 34.2074, 37.6047, 42.5013 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

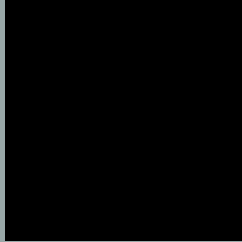
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

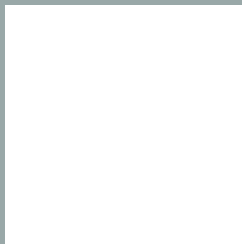
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.2074, 37.6047, 42.5013

Background



This preview shows how black text looks on a background with the XYZ color 34.2074, 37.6047, 42.5013.

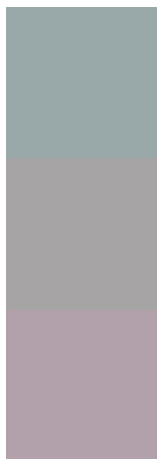


This preview shows how white text looks on a background with the XYZ color 34.2074, 37.6047,

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

34.2074, 37.6047, 42.5013

Protanopia

36.0947, 37.5196, 41.4160

Deuteranopia

38.1866, 37.5089, 43.2575



Tritanopia

35.2905, 37.4957, 48.0252

Trichromacy



Original Color

34.2074, 37.6047, 42.5013

Protanomaly

35.3305, 37.3817, 41.9125

Deuteranomaly

36.6208, 37.4940, 42.8431

Tritanomaly

34.8830, 37.6026, 45.9769

Monochromacy



Original Color

34.2074, 37.6047, 42.5013

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

34.7439, 37.1005, 40.9272

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.2074, 37.6047, 42.5013 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(153, 168, 168)` looks like.

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

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(153, 168, 168) colored shadow looks like.

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

Border

The CSS property to change the border of an element to XYZ 34.2074, 37.6047, 42.5013 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(153, 168, 168) }
```


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

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

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

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

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

Background

The CSS property to change the background color of an element to XYZ 34.2074, 37.6047, 42.5013 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

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

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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