

# Converting Colors

XYZ(34.2966, 36.2487, 42.3816)

Have a look what the booklet for  
XYZ(34.2966, 36.2487, 42.3816)  
contains.

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# Color

**XYZ(34.2656, 36.2906,  
42.2446)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	9EA3A8
RGB	158, 163, 168
RGB Percent	62%, 64%, 66%
CMY	0.3804, 0.3608, 0.3412
CMYK	0.06, 0.03, 0.00, 0.34
HSL	210°, 5%, 64%
HSV	210°, 6%, 66%
XYZ	34.2656, 36.2906, 42.2446
YIQ	162.0750, -4.5850, 0.4950

# Conversions

## Conversions Part 2

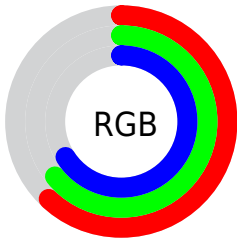
<b>Format</b>	<b>Color</b>
<b>RYB</b>	158, 161, 168
Decimal	10396584
CIELab	66.74, -0.79, -3.21
CIELCh	67, 3.308, 256.254
Yxy	36.2906, 0.3038, 0.3217
Android (android.graphics.Color)	4288586664 (0xFF9EA3A8)
YUV	162.0750, 2.9210, -3.5738
Hunter-Lab	60.2417, -3.8917, 0.5919

# Details

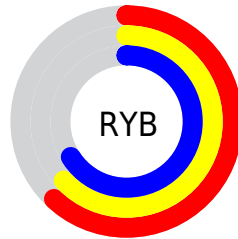
The XYZ color **34.2656, 36.2906, 42.2446** is a light color, and the websafe version is hex **999999**. A complement of this color would be **35.4173, 36.9875, 37.6209**, and the grayscale version is **34.3669, 36.1566, 39.3746**.

A 20% lighter version of the original color is **65.8313, 69.6167, 79.7797**, and **14.9002, 15.7556, 18.7788** is the 20% darker color. If you saturate the color by 10%, you get **29.7429, 31.8200, 41.6206**, and if you desaturate by 10%, it is **39.3411, 41.1952, 42.9243**.

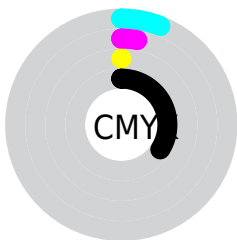
# Distribution



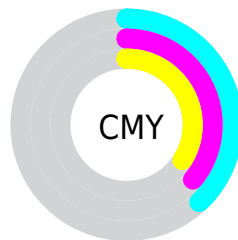
- Red (62%)
- Green (64%)
- Blue (66%)



- Red (62%)
- Yellow (63%)
- Blue (66%)



- Cyan (6%)
- Magenta (3%)
- Yellow (0%)
- Black (34%)



- Cyan (38%)
- Magenta (36%)
- Yellow (34%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 34.2656, 36.2906, 42.2446 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 34.2656, 36.2906, 42.2446 by changing the saturation by 10% instead.



■ 34.2656, 36.2906,  
42.2446

■ 34.2656, 36.2906,  
42.2446

312.8798,  
330.2289, 371.3254

■ 23.2616, 24.6587,  
28.9659

■ 65.6880, 69.4804,  
79.8438

■ 14.9085, 15.8230,  
18.8096

■ 86.8372, 91.8070,  
105.0013

■ 8.8411, 9.3990,  
11.3574

112.0987,  
118.4674, 134.9555

■ 4.6940, 5.0023,  
6.1906

141.8380,  
149.8459, 170.1249

■ 2.1017, 2.2486,  
2.8906

176.4204,  
186.3269, 210.9280

■ 0.6902, 0.7463,  
1.0391

216.2112,

■ 0.0000, 0.0000,

228.2948, 257.7835

0.0000

261.5760,  
276.1340, 311.1098

■ 34.2656, 36.2906,  
42.2446

■ 34.2656, 36.2906,  
42.2446

■ 29.7429, 31.8200,  
41.6206

■ 39.3411, 41.1952,  
42.9243

■ 25.7499, 27.7655,  
41.0485

■ 44.9854, 46.5417,  
43.6588

■ 22.2661, 24.1147,  
40.5274

■ 51.2176, 52.3435,  
44.4502

■ 19.2685, 20.8528,  
40.0558

■ 58.0548, 58.6124,  
45.2999

■ 16.7325, 17.9638,  
39.6318

■ 65.5138, 65.3592,  
46.2090

■ 14.6306, 15.4306,  
39.2536

■ 72.1976, 71.8664,  
47.1127

■ 12.9325, 13.2340,  
38.9192

■ 74.3694, 76.2100,  
47.8367

■ 11.6033, 11.3526,  
38.6261

■ 76.6522, 80.7756,  
48.5976

■ 10.5972, 9.7592,  
38.3715

■ 79.0476, 85.5663,  
49.3961

# Harmonies

## Analogous

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



33.8338, 36.2906, 41.5333



34.2656, 36.2906, 42.2446



34.7624, 36.2906, 42.2120

# Triad

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



34.2656, 36.2906, 42.2446



35.4227, 36.2906, 38.7500



33.8045, 36.2906, 37.6442

# Complementary

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



34.2656, 36.2906, 42.2446



35.4173, 36.9875, 37.6209

# 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.



34.2252, 36.2906, 36.9340



34.2656, 36.2906, 42.2446



35.1610, 36.2906, 37.5618

# Square

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



34.2656, 36.2906, 42.2446



35.4337, 36.2906, 40.1710



34.7217, 36.2906, 36.9042



33.5693, 36.2906, 38.8648



# Rectangle

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



34.2656, 36.2906, 42.2446



35.0638, 36.2906, 41.7723



34.7217, 36.2906, 36.9042



33.9287, 36.2906, 37.3391

# Sweetspot

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



34.2666, 36.2921, 42.2454



65.6655, 69.2458, 77.1299



34.6997, 37.9133, 40.0618



14.3351, 15.1148, 16.8140



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.



34.2666, 36.2921, 42.2454



61.1643, 64.8618, 76.5210



33.4243, 34.6075, 41.9646



7.6271, 8.0907, 9.5780



7.7853, 7.0308, 28.9222



0.2406, 0.2735, 0.7208



# Inverse Universe

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



34.9870, 35.4236, 39.6455



62.7213, 63.0029, 70.8969



36.2925, 38.7378, 37.9126



7.8300, 7.8491, 8.8448



13.4303, 6.7808, 7.0773

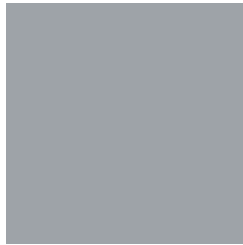


0.3526, 0.1753, 0.3083



# Previews

## White Background



This preview shows how the XYZ color 34.2656, 36.2906, 42.2446 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

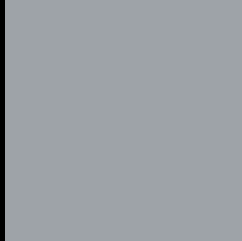
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 34.2656, 36.2906, 42.2446 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

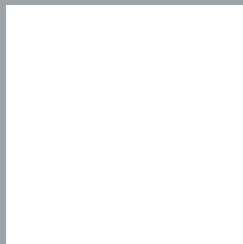
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 34.2656, 36.2906, 42.2446**

## **Background**



This preview shows how black text looks on a background with the XYZ color 34.2656, 36.2906, 42.2446.



This preview shows how white text looks on a background with the XYZ color 34.2656, 36.2906,



# 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

34.2656, 36.2906, 42.2446

### Protanopia

35.0298, 36.1723, 41.6949

### Deuteranopia

36.8976, 36.0925, 42.5579



## Tritanopia

34.9563, 36.3067, 45.7229

# Trichromacy



## Original Color

34.2656, 36.2906, 42.2446

## Protanomaly

34.7957, 36.3121, 41.7342

## Deuteranomaly

35.9218, 36.0959, 42.6100

## Tritanomaly

34.6648, 36.1901, 44.1881

# Monochromacy



## Original Color

34.2656, 36.2906, 42.2446

## Achromatopsia

34.3422, 36.1307, 39.3463

## Achromatomaly

34.3191, 36.0981, 40.2808

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 34.2656, 36.2906, 42.2446 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(158, 163, 168) looks like.

```
.text, #text, p{  
    color:rgb(158, 163, 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(158, 163, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 163, 168) }
```

## Border

The CSS property to change the border of an element to XYZ 34.2656, 36.2906, 42.2446 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(158, 163, 168) }
```



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

```
.border{ border-color:rgb(158, 163, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 163, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 163, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 163, 168);  
box-shadow:4px 4px 4px 4px rgb(158, 163,  
168) }
```

# Background

The CSS property to change the background color of an element to XYZ 34.2656, 36.2906, 42.2446 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 163, 168) }
```

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

```
.background{ background-color: rgb(158,  
163, 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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