

Converting Colors

XYZ(36.8767, 40.4027, 56.6757)

Have a look what the booklet for
XYZ(36.8767, 40.4027, 56.6757)
contains.

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Color

**XYZ(36.9063, 40.3702,
56.8860)**

Conversions

Conversions Part 1

Format	Color
Hex	93AEC2
RGB	147, 174, 194
RGB Percent	58%, 68%, 76%
CMY	0.4235, 0.3176, 0.2392
CMYK	0.24, 0.10, 0.00, 0.24
HSL	206°, 28%, 67%
HSV	206°, 24%, 76%
XYZ	36.9063, 40.3702, 56.8860
YIQ	168.2070, -22.5120, 0.4960

Conversions

Conversions Part 2

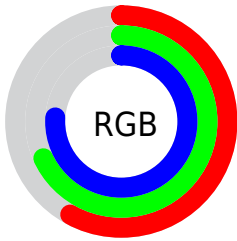
Format	Color
R_{YB}	147, 164, 194
Decimal	9678530
CIE Lab	69.73, -4.76, -13.27
CIE LCh	70, 14.096, 250.255
Yxy	40.3702, 0.2751, 0.3009
Android (android.graphics.Color)	4287868610 (0xFF93AEC2)
YUV	168.2070, 12.7159, -18.5985
Hunter-Lab	63.5375, -7.5075, -8.6068

Details

The XYZ color **36.9063, 40.3702, 56.8860** is a light color, and the websafe version is hex **999999**. A complement of this color would be **41.3338, 41.2136, 33.3813**, and the grayscale version is **37.2695, 39.2104, 42.7001**.

A 20% lighter version of the original color is **69.7890, 75.5602, 102.1731**, and **16.4125, 18.2454, 27.4676** is the 20% darker color. If you saturate the color by 10%, you get **32.1707, 35.6347, 56.2222**, and if you desaturate by 10%, it is **42.3290, 45.6074, 57.6117**.

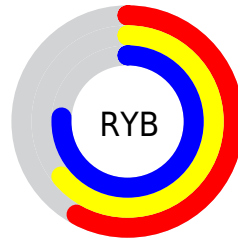
Distribution



Red (58%)

Green (68%)

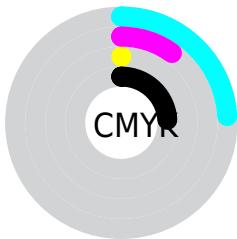
Blue (76%)



Red (58%)

Yellow (64%)

Blue (76%)

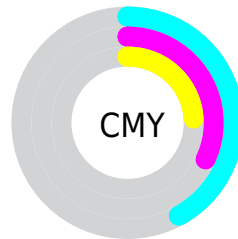


Cyan (24%)

Magenta (10%)

Yellow (0%)

Black (24%)



Cyan (42%)

Magenta (32%)

Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.9063, 40.3702, 56.8860 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 36.9063, 40.3702, 56.8860 by changing the saturation by 10% instead.

■ 36.9063, 40.3702,
56.8860

■ 36.9063, 40.3702,
56.8860

324.2673,
347.6814, 430.5038

■ 25.3083, 27.8273,
40.5050

■ 69.7434, 75.7269,
101.7975

■ 16.4368, 18.1955,
27.6157

■ 91.7132, 99.3095,
131.1651

■ 9.9266, 11.0904,
17.7997

117.8710,
127.3408, 165.6986

■ 5.4122, 6.1277,
10.6383

148.5822,
160.2052, 205.8165

■ 2.5283, 2.9229,
5.7131

184.2120,
198.2870, 251.9375

■ 0.9096, 1.0916,
2.6055

225.1259,

■ 0.0000, 0.0000,

241.9708, 304.4800

0.8953

271.6892,
291.6408, 363.8626

■ 0.0000, 0.0000,
0.0000

■ 36.9063, 40.3702,
56.8860

■ 36.9063, 40.3702,
56.8860

■ 32.1707, 35.6347,
56.2222

■ 42.3290, 45.6074,
57.6117

■ 28.0875, 31.3775,
55.6157

■ 48.4642, 51.3589,
58.3985

■ 24.6240, 27.5800,
55.0653

■ 55.3405, 57.6430,
59.2491

■ 21.7433, 24.2204,
54.5686

■ 62.9836, 64.4752,
60.1650

■ 19.4039, 21.2746,
54.1233

■ 71.4179, 71.8706,
61.1479

■ 17.5583, 18.7151,
53.7266

■ 77.5076, 78.2147,
62.0515

■ 16.1494, 16.5095,
53.3751

■ 79.7741, 82.7478,
62.8070

■ 15.4720, 15.3635,
53.1896

■ 82.1497, 87.4991,
63.5989

■ 84.6359, 92.4714,
64.4276

Harmonies

Analogous

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



35.1163, 40.3702, 52.5931



36.9063, 40.3702, 56.8860



39.1577, 40.3702, 57.5279

Triad

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



36.9063, 40.3702, 56.8860



42.8556, 40.3702, 41.7554



35.6027, 40.3702, 35.0408

Complementary

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



36.9063, 40.3702, 56.8860



41.3338, 41.2136, 33.3813

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.



37.5943, 40.3702, 32.7070



36.9063, 40.3702, 56.8860



41.8202, 40.3702, 36.3209

Square

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



36.9063, 40.3702, 56.8860



42.6535, 40.3702, 48.3430



39.8733, 40.3702, 33.1511



34.3846, 40.3702, 39.8433

Rectangle

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



36.9063, 40.3702, 56.8860



40.6258, 40.3702, 55.7378



39.8733, 40.3702, 33.1511



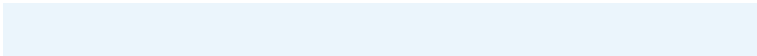
36.2006, 40.3702, 33.9642

Sweetspot

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



36.9075, 40.3718, 56.8869



84.4615, 89.9443, 105.3792



38.2619, 47.5621, 43.5223



18.3428, 19.5537, 23.0574



0.0000, 0.0000, 0.0000



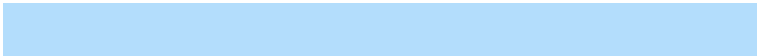
20.3446, 21.4041, 23.3091

Same Dimension

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



36.9075, 40.3718, 56.8869



62.2235, 68.5403, 102.4199



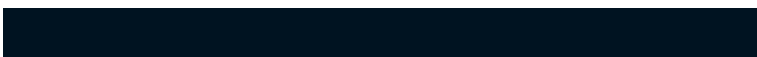
32.8244, 32.2055, 55.5259



9.9979, 10.6872, 12.8207



10.2549, 10.2663, 34.9977



0.5103, 0.5779, 1.5345

Inverse Universe

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



40.3229, 35.3938, 44.7526



69.5673, 58.3523, 76.2125



45.9469, 50.4397, 34.9189



10.3103, 10.1727, 11.7243



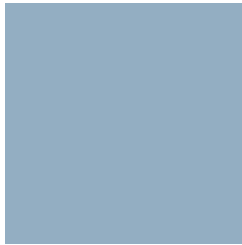
16.5722, 8.3186, 10.9251



0.7499, 0.3730, 0.6506

Previews

White Background



This preview shows how the XYZ color 36.9063, 40.3702, 56.8860 looks on a white background.

Color Contrast Check

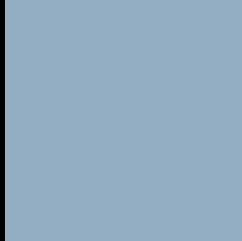
Large Text (above 18pt) WCAG AA × Fail

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 36.9063, 40.3702, 56.8860 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

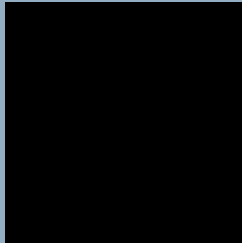
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

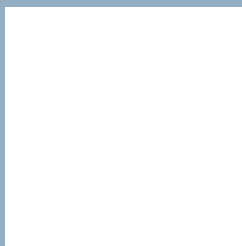
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.9063, 40.3702, 56.8860

Background



This preview shows how black text looks on a background with the XYZ color 36.9063, 40.3702, 56.8860.



This preview shows how white text looks on a background with the XYZ color 36.9063, 40.3702,

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

36.9063, 40.3702, 56.8860

Protanopia

39.5283, 40.3530, 54.9958

Deuteranopia

41.0556, 40.2566, 57.8310



Tritanopia

36.3693, 40.4451, 54.0339

Trichromacy



Original Color

36.9063, 40.3702, 56.8860

Protanomaly

38.5745, 40.4052, 55.6351

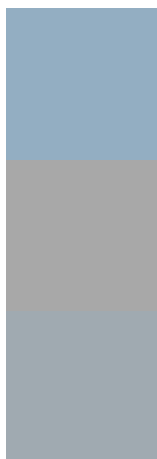
Deuteranomaly

39.3481, 40.2086, 57.3169

Tritanomaly

36.5880, 40.5325, 55.1854

Monochromacy



Original Color

36.9063, 40.3702, 56.8860

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

36.8077, 39.3974, 47.2594

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.9063, 40.3702, 56.8860 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(147, 174, 194)` looks like.

```
.text, #text, p{  
    color:rgb(147, 174, 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(147, 174, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 174, 194) }
```

Border

The CSS property to change the border of an element to XYZ 36.9063, 40.3702, 56.8860 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(147, 174, 194) }
```


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

```
.border{ border-color:rgb(147, 174, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 174, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 174, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 174, 194);  
box-shadow:4px 4px 4px 4px rgb(147, 174,  
194) }
```

Background

The CSS property to change the background color of an element to XYZ 36.9063, 40.3702, 56.8860 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 174, 194) }
```

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

```
.background{ background-color: rgb(147,  
174, 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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