

Converting Colors

XYZ(38.7809, 40.9008, 56.1170)

Have a look what the booklet for
XYZ(38.7809, 40.9008, 56.1170)
contains.

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Color

**XYZ(38.6762, 40.7262,
56.2746)**

Conversions

Conversions Part 1

Format	Color
Hex	9FACC1
RGB	159, 172, 193
RGB Percent	62%, 67%, 76%
CMY	0.3765, 0.3255, 0.2431
CMYK	0.18, 0.11, 0.00, 0.24
HSL	217°, 22%, 69%
HSV	217°, 18%, 76%
XYZ	38.6762, 40.7262, 56.2746
YIQ	170.5070, -14.4890, 3.7750

Conversions

Conversions Part 2

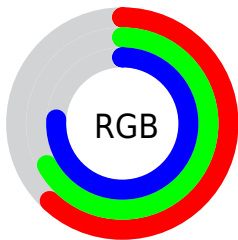
Format	Color
R _Y B	159, 168, 193
Decimal	10464449
CIE Lab	69.98, -0.10, -12.25
CIE LCh	70, 12.255, 269.510
Yxy	40.7262, 0.2851, 0.3002
Android (android.graphics.Color)	4288654529 (0xFF9FACC1)
YUV	170.5070, 11.0890, -10.0916
Hunter-Lab	63.8171, -3.5004, -7.6106

Details

The XYZ color **38.6762, 40.7262, 56.2746** is a light color, and the websafe version is hex **999999**. A complement of this color would be **44.5719, 46.4831, 39.4246**, and the grayscale version is **38.4140, 40.4146, 44.0114**.

A 20% lighter version of the original color is **72.2995, 76.0739, 100.4957**, and **17.4401, 18.4228, 27.0629** is the 20% darker color. If you saturate the color by 10%, you get **32.9762, 34.5707, 55.3876**, and if you desaturate by 10%, it is **45.1798, 47.6001, 57.2593**.

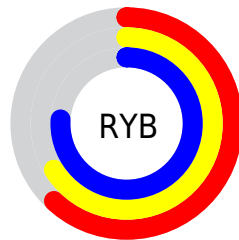
Distribution



Red (62%)

Green (67%)

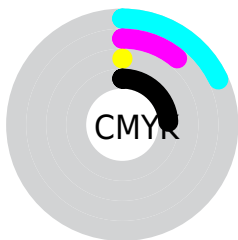
Blue (76%)



Red (62%)

Yellow (66%)

Blue (76%)

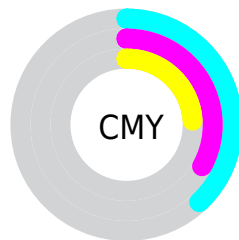


Cyan (18%)

Magenta (11%)

Yellow (0%)

Black (24%)



Cyan (38%)

Magenta (33%)

Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.6762, 40.7262, 56.2746 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 38.6762, 40.7262, 56.2746 by changing the saturation by 10% instead.

■ 38.6762, 40.7262,
56.2746

■ 38.6762, 40.7262,
56.2746

331.7428,
349.1750, 428.1429

■ 26.6875, 28.1052,
40.0177

■ 72.4406, 76.2681,
100.8958

■ 17.4740, 18.4050,
27.2384

■ 94.9471, 99.9578,
130.0970

■ 10.6704, 11.2411,
17.5183

121.6902,
128.1058, 164.4502

■ 5.9113, 6.2293,
10.4389

153.0353,
161.0966, 204.3738

■ 2.8314, 2.9850,
5.5815

189.3478,
199.3145, 250.2863

■ 1.0652, 1.1239,
2.5277

230.9929,

■ 0.0000, 0.0000,

243.1439, 302.6063

0.8548

278.3361,
292.9693, 361.7523

■ 0.0000, 0.0000,
0.0000

■ 38.6762, 40.7262,
56.2746

■ 38.6762, 40.7262,
56.2746

■ 32.9762, 34.5707,
55.3876

■ 45.1798, 47.6001,
57.2593

■ 28.0431, 29.1037,
54.5923

■ 52.5141, 55.2109,
58.3418

■ 23.8427, 24.3004,
53.8866

■ 60.7099, 63.5828,
59.5257

■ 20.3368, 20.1324,
53.2668

■ 69.7947, 72.7372,
60.8139

■ 17.4831, 16.5690,
52.7294

■ 79.6102, 82.5991,
62.2001

■ 15.2345, 13.5763,
52.2703

■ 83.0723, 89.5234,
63.3541

■ 13.5366, 11.1163,
51.8850

■ 86.6258, 96.6303,
64.5386

■ 12.3127, 9.1386,
51.5678

■ 12.0617, 8.7221,
51.5006

Harmonies

Analogous

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



36.7932, 40.7262, 54.5113



38.6762, 40.7262, 56.2746



40.6314, 40.7262, 54.6193

Triad

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



38.6762, 40.7262, 56.2746



42.1478, 40.7262, 39.1446



35.4936, 40.7262, 38.9949

Complementary

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



38.6762, 40.7262, 56.2746



44.5719, 46.4831, 39.4246

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.



36.8483, 40.7262, 35.4455



38.6762, 40.7262, 56.2746



40.6902, 40.7262, 35.5266

Square

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



38.6762, 40.7262, 56.2746



42.6771, 40.7262, 44.4380



38.7419, 40.7262, 34.2312



34.9949, 40.7262, 44.2499

Rectangle

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



38.6762, 40.7262, 56.2746



41.7034, 40.7262, 51.8746



38.7419, 40.7262, 34.2312



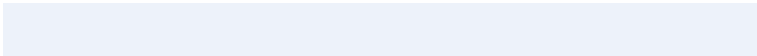
35.8616, 40.7262, 37.5798

Sweetspot

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



38.6774, 40.7279, 56.2755



84.1068, 88.5836, 103.0257



41.6036, 48.8055, 50.3906



17.8506, 18.8028, 22.0738



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



38.6774, 40.7279, 56.2755



65.3153, 68.7017, 100.1786



37.1220, 36.4304, 55.5280



9.8370, 10.3653, 12.7671



8.0943, 5.9450, 34.2775



0.4165, 0.3903, 1.5033

Inverse Universe

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



41.8378, 39.1132, 44.3761



72.0387, 65.4648, 74.8193



46.3232, 51.4670, 40.2943



10.2290, 10.1402, 11.2966



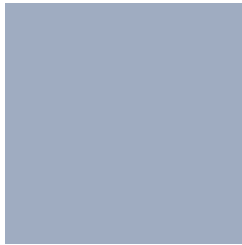
15.4816, 7.8824, 5.1821



0.7026, 0.3540, 0.4012

Previews

White Background



This preview shows how the XYZ color 38.6762, 40.7262, 56.2746 looks on a white background.

Color Contrast Check

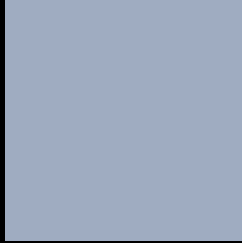
Large Text (above 18pt) WCAG AA × Fail

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 38.6762, 40.7262, 56.2746 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

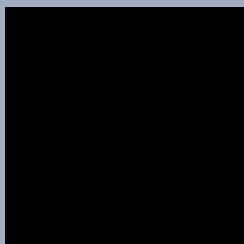
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

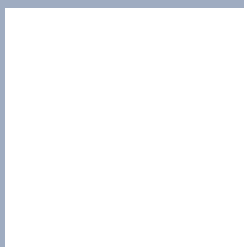
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.6762, 40.7262, 56.2746

Background



This preview shows how black text looks on a background with the XYZ color 38.6762, 40.7262, 56.2746.



This preview shows how white text looks on a background with the XYZ color 38.6762, 40.7262,

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

38.6762, 40.7262, 56.2746

Protanopia

39.9271, 40.8359, 55.0679

Deuteranopia

41.2783, 40.3976, 56.6608



Tritanopia

38.0138, 40.7441, 52.8746

Trichromacy



Original Color

38.6762, 40.7262, 56.2746

Protanomaly

39.5944, 40.9309, 55.6828

Deuteranomaly

40.3178, 40.4464, 56.7209

Tritanomaly

38.2294, 40.8304, 54.0103

Monochromacy



Original Color

38.6762, 40.7262, 56.2746

Achromatopsia

38.7082, 40.7240, 44.3485

Achromatomaly

38.6359, 40.5960, 48.4473

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.6762, 40.7262, 56.2746 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(159, 172, 193)` looks like.

```
.text, #text, p{  
    color:rgb(159, 172, 193)  
}
```

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(159, 172, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 172, 193) }
```

Border

The CSS property to change the border of an element to XYZ 38.6762, 40.7262, 56.2746 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(159, 172, 193) }
```


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

```
.border{ border-color:rgb(159, 172, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 172, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 172, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 172, 193);  
box-shadow:4px 4px 4px 4px rgb(159, 172,  
193) }
```

Background

The CSS property to change the background color of an element to XYZ 38.6762, 40.7262, 56.2746 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 172, 193) }
```

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

```
.background{ background-color: rgb(159,  
172, 193) }
```

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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