

Converting Colors

XYZ(35.9463, 37.9419, 48.0768)

Have a look what the booklet for
XYZ(35.9463, 37.9419, 48.0768)
contains.

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Color

**XYZ(35.8735, 37.7962,
48.0525)**

Conversions

Conversions Part 1

Format	Color
Hex	9EA6B3
RGB	158, 166, 179
RGB Percent	62%, 65%, 70%
CMY	0.3804, 0.3490, 0.2980
CMYK	0.12, 0.07, 0.00, 0.30
HSL	217°, 12%, 66%
HSV	217°, 12%, 70%
XYZ	35.8735, 37.7962, 48.0525
YIQ	165.0900, -8.9410, 2.3470

Conversions

Conversions Part 2

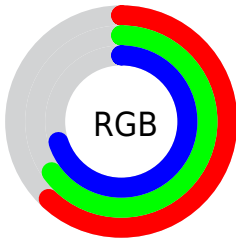
Format	Color
R _Y B	158, 164, 179
Decimal	10397363
CIE Lab	67.87, -0.17, -7.67
CIE LCh	68, 7.669, 268.730
Yxy	37.7962, 0.2947, 0.3105
Android (android.graphics.Color)	4288587443 (0xFF9EA6B3)
YUV	165.0900, 6.8576, -6.2179
Hunter-Lab	61.4786, -3.4307, -3.3068

Details

The XYZ color **35.8735, 37.7962, 48.0525** is a light color, and the websafe version is hex **999999**. A complement of this color would be **39.3252, 41.1781, 38.2241**, and the grayscale version is **35.7795, 37.6428, 40.9930**.

A 20% lighter version of the original color is **68.2924, 71.8572, 88.8677**, and **15.8466, 16.6668, 22.1205** is the 20% darker color. If you saturate the color by 10%, you get **30.6779, 32.2565, 47.2577**, and if you desaturate by 10%, it is **41.7577, 43.9505, 48.9309**.

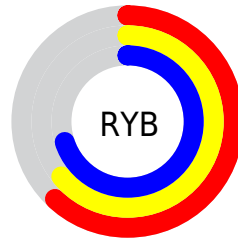
Distribution



Red (62%)

Green (65%)

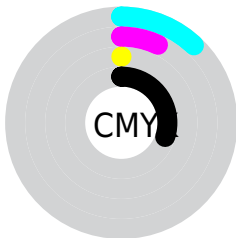
Blue (70%)



Red (62%)

Yellow (64%)

Blue (70%)

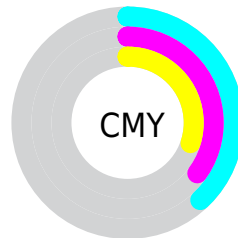


Cyan (12%)

Magenta (7%)

Yellow (0%)

Black (30%)



Cyan (38%)

Magenta (35%)

Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.8735, 37.7962, 48.0525 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 35.8735, 37.7962, 48.0525 by changing the saturation by 10% instead.

■ 35.8735, 37.7962,
48.0525

■ 35.8735, 37.7962,
48.0525

319.8482,
336.7449, 395.5149

■ 24.5062, 25.8246,
33.5082

■ 68.1619, 71.7957,
88.6489

■ 15.8363, 16.6924,
22.2417

■ 89.8137, 94.5923,
115.5381

■ 9.4985, 10.0154,
13.8346

115.6244,
121.7660, 147.3793

■ 5.1274, 5.4092,
7.8683

145.9593,
153.7012, 184.5911

■ 2.3577, 2.4893,
3.9242

181.1837,
190.7823, 227.5921

■ 0.8240, 0.8713,
1.5839

221.6632,

■ 0.0000, 0.0000,

233.3937, 276.8006

0.2793

267.7628,
281.9198, 332.6354

■ 0.0000, 0.0000,
0.0000

■ 35.8735, 37.7962,
48.0525

■ 35.8735, 37.7962,
48.0525

■ 30.6779, 32.2565,
47.2577

■ 41.7577, 43.9505,
48.9309

■ 26.1412, 27.3066,
46.5414

■ 48.3521, 50.7337,
49.8926

■ 22.2363, 22.9268,
45.9018

■ 55.6815, 58.1657,
50.9408

■ 18.9327, 19.0944,
45.3362

■ 63.7684, 66.2638,
52.0777

■ 16.1975, 15.7851,
44.8416

■ 72.6343, 75.0449,
53.3053

■ 13.9940, 12.9722,
44.4148

■ 78.3686, 82.4983,
54.4417

■ 12.2811, 10.6264,
44.0523

■ 81.5949, 88.9509,
55.5172

■ 11.0104, 8.7142,
43.7501

■ 85.0215, 95.8041,
56.6594

■ 10.2165, 7.4142,
43.5410

■ 85.1368, 96.0347,
56.6978

Harmonies

Analogous

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



34.7505, 37.7962, 47.0073



35.8735, 37.7962, 48.0525



37.0343, 37.7962, 47.1661

Triad

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



35.8735, 37.7962, 48.0525



37.9664, 37.7962, 38.0860



34.0053, 37.7962, 37.8478

Complementary

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



35.8735, 37.7962, 48.0525



39.3252, 41.1781, 38.2241

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.



34.8364, 37.7962, 35.6752



35.8735, 37.7962, 48.0525



37.1239, 37.7962, 35.8073

Square

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



35.8735, 37.7962, 48.0525



38.2585, 37.7962, 41.2989



35.9749, 37.7962, 34.9489



33.6867, 37.7962, 41.0087

Rectangle

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



35.8735, 37.7962, 48.0525



37.6700, 37.7962, 45.6251



35.9749, 37.7962, 34.9489



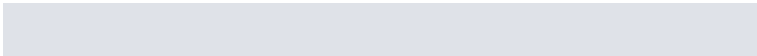
34.2331, 37.7962, 36.9843

Sweetspot

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



35.8746, 37.7978, 48.0533



72.2119, 76.0389, 87.2522



37.5673, 42.4484, 44.7172



15.8191, 16.6595, 19.3041



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



35.8746, 37.7978, 48.0533



61.8045, 65.1063, 85.6905



34.9517, 35.2293, 47.6062



8.2986, 8.7433, 10.7566



7.2780, 5.3564, 30.7873



0.2864, 0.2833, 0.9878

Inverse Universe

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



37.7011, 36.7915, 41.1926



65.7245, 63.0211, 70.9493



40.3215, 44.0038, 38.7171



8.6259, 8.5571, 9.5284



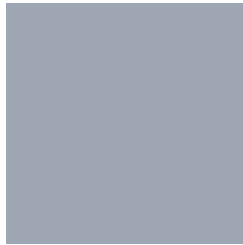
13.9083, 7.0809, 4.6769



0.4666, 0.2344, 0.2997

Previews

White Background



This preview shows how the XYZ color 35.8735, 37.7962, 48.0525 looks on a white background.

Color Contrast Check

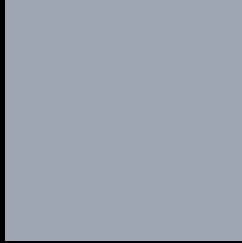
Large Text (above 18pt) WCAG AA × Fail

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 35.8735, 37.7962, 48.0525 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

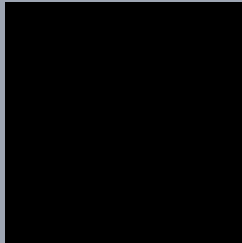
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

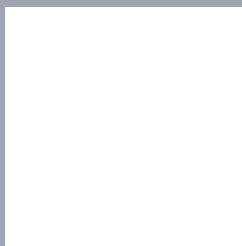
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 35.8735, 37.7962, 48.0525

Background



This preview shows how black text looks on a background with the XYZ color 35.8735, 37.7962, 48.0525.

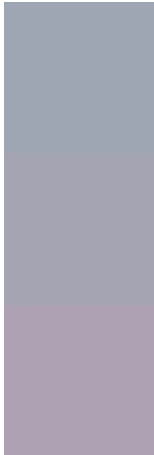


This preview shows how white text looks on a background with the XYZ color 35.8735, 37.7962,

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

35.8735, 37.7962, 48.0525

Protanopia

36.6212, 37.6578, 47.4580

Deuteranopia

38.4386, 37.7837, 48.4471



Tritanopia

35.8735, 37.7962, 48.0525

Trichromacy



Original Color

35.8735, 37.7962, 48.0525

Protanomaly

36.3913, 37.8060, 47.4987

Deuteranomaly

37.4839, 37.8145, 48.5033

Tritanomaly

35.8735, 37.7962, 48.0525

Monochromacy



Original Color

35.8735, 37.7962, 48.0525

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

35.6111, 37.4939, 43.3904

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.8735, 37.7962, 48.0525 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, 166, 179) looks like.

```
.text, #text, p{  
    color:rgb(158, 166, 179)  
}
```

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, 166, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 166, 179) }
```

Border

The CSS property to change the border of an element to XYZ 35.8735, 37.7962, 48.0525 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, 166, 179) }
```


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

```
.border{ border-color:rgb(158, 166, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 166, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 166, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 166, 179);  
box-shadow:4px 4px 4px 4px rgb(158, 166,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 35.8735, 37.7962, 48.0525 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 166, 179) }
```

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

```
.background{ background-color: rgb(158,  
166, 179) }
```

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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