

Converting Colors

XYZ(35.8566, 37.7223, 41.0776)

Have a look what the booklet for
XYZ(35.8566, 37.7223, 41.0776)
contains.

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Color

**XYZ(35.7637, 37.6262,
40.9749)**

Conversions

Conversions Part 1

Format	Color
Hex	A5A5A5
RGB	165, 165, 165
RGB Percent	65%, 65%, 65%
CMY	0.3529, 0.3529, 0.3529
CMYK	0.00, 0.00, 0.00, 0.35
HSL	120°, 0%, 65%
HSV	120°, 0%, 65%
XYZ	35.7637, 37.6262, 40.9749
YIQ	165.0000, -0.0000, -0.0000

Conversions

Conversions Part 2

Format	Color
R _Y B	165, 165, 165
Decimal	10855845
CIE Lab	67.74, 0.00, -0.01
CIE LCh	68, 0.008, 296.864
Yxy	37.6262, 0.3127, 0.3290
Android (android.graphics.Color)	4289045925 (0xFFA5A5A5)
YUV	165.0000, 0.0000, 0.0000
Hunter-Lab	61.3402, -3.2730, 3.3328

Details

The XYZ color **35.7637, 37.6262, 40.9749** is a light color, and the websafe version is hex **999999**. A complement of this color would be **35.7651, 37.6272, 40.9770**, and the grayscale version is **35.7651, 37.6276, 40.9765**.

A 20% lighter version of the original color is **68.0267, 71.5694, 77.9390**, and **15.6958, 16.5132, 17.9829** is the 20% darker color. If you saturate the color by 10%, you get **31.1522, 35.4125, 33.4186**, and if you desaturate by 10%, it is **41.0116, 40.1478, 49.5741**.

Distribution



Red (65%)

Green (65%)

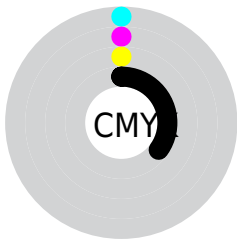
Blue (65%)



Red (65%)

Yellow (65%)

Blue (65%)



Cyan (0%)

Magenta (0%)

Yellow (0%)

Black (35%)



Cyan (35%)

Magenta (35%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.7637, 37.6262, 40.9749 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 35.7637, 37.6262, 40.9749 by changing the saturation by 10% instead.

■ 35.7637, 37.6262,
40.9749

■ 35.7637, 37.6262,
40.9749

319.3758,
336.0137, 365.8892

■ 24.4210, 25.6927,
27.9799

■ 67.9934, 71.5348,
77.8990

■ 15.7726, 16.5939,
18.0716

■ 89.6112, 94.2788,
102.6653

■ 9.4532, 9.9454,
10.8314

115.3847,
121.3950, 132.1924

■ 5.0974, 5.3628,
5.8409

145.6793,
153.2678, 166.8988

■ 2.3399, 2.4616,
2.6813

180.8604,
190.2817, 207.2032

■ 0.8150, 0.8573,
0.9340

221.2933,

■ 0.0000, 0.0000,

232.8211, 253.5240

0.0000

267.3433,
281.2703, 306.2799

■ 35.7637, 37.6262,
40.9749

■ 35.7637, 37.6262,
40.9749

■ 31.1522, 35.4125,
33.4186

■ 41.0116, 40.1478,
49.5741

■ 27.1500, 33.4902,
26.8632

■ 46.9156, 42.9833,
59.2511

■ 23.7325, 31.8487,
21.2675

■ 53.4982, 46.1448,
70.0423

■ 20.8724, 30.4749,
16.5864

■ 60.7802, 49.6421,
81.9817

■ 18.5401, 29.3546,
12.7714

■ 68.7813, 53.4847,
95.1017

■ 16.7033, 28.4723,
9.7694

■ 72.7459, 55.3917,
101.4653

■ 15.3264, 27.8107,
7.5214

■ 14.3686, 27.3505,
5.9606

■ 13.7823, 27.0687,
5.0083

Harmonies

Analogous

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



35.7624, 37.6262, 40.9757



35.7637, 37.6262, 40.9749



35.7647, 37.6262, 40.9724

Triad

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



35.7637, 37.6262, 40.9749



35.7639, 37.6262, 40.9626



35.7601, 37.6262, 40.9681

Complementary

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



35.7637, 37.6262, 40.9749



35.7651, 37.6272, 40.9770

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.



35.7605, 37.6262, 40.9646



35.7637, 37.6262, 40.9749



35.7627, 37.6262, 40.9614

Square

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



35.7637, 37.6262, 40.9749



35.7648, 37.6262, 40.9653



35.7614, 37.6262, 40.9622



35.7604, 37.6262, 40.9718

Rectangle

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



35.7637, 37.6262, 40.9749



35.7650, 37.6262, 40.9702



35.7614, 37.6262, 40.9622



35.7601, 37.6262, 40.9669

Sweetspot

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



35.7648, 37.6278, 40.9757



64.0503, 67.3860, 73.3833



35.7654, 37.6281, 40.9757



14.0027, 14.7319, 16.0430



78.6606, 82.7571, 90.1225

Same Dimension

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



35.7648, 37.6278, 40.9757



64.0503, 67.3860, 73.3833



35.7649, 37.6279, 40.9764



7.9400, 8.3535, 9.0970



10.1837, 20.3604, 3.3932



0.2145, 0.4281, 0.0713

Inverse Universe

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



35.7651, 37.6272, 40.9770



64.0503, 67.3860, 73.3833



35.7650, 37.6271, 40.9763



7.9400, 8.3535, 9.0970



16.8096, 8.0722, 27.6019



0.3538, 0.1699, 0.5800

Previews

White Background



This preview shows how the XYZ color 35.7637, 37.6262, 40.9749 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 35.7637, 37.6262, 40.9749 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

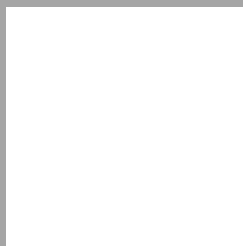
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 35.7637, 37.6262, 40.9749

Background



This preview shows how black text looks on a background with the XYZ color 35.7637, 37.6262, 40.9749.



This preview shows how white text looks on a background with the XYZ color 35.7637, 37.6262,

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

35.7637, 37.6262, 40.9749

Protanopia

36.2154, 37.5924, 40.9446

Deuteranopia

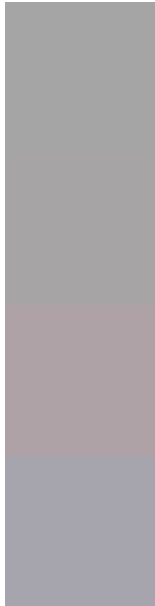
38.2761, 37.5981, 41.3162



Tritanopia

36.8700, 37.5445, 46.3778

Trichromacy



Original Color

35.7637, 37.6262, 40.9749

Protanomaly

36.0033, 37.4830, 40.9347

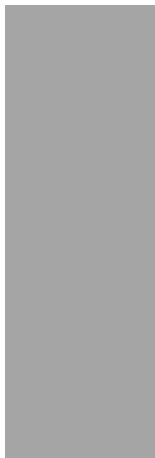
Deuteranomaly

37.4825, 37.7078, 41.3792

Tritanomaly

36.4477, 37.6365, 44.3733

Monochromacy



Original Color

35.7637, 37.6262, 40.9749

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

35.7637, 37.6262, 40.9749

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.7637, 37.6262, 40.9749 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(165, 165, 165)` looks like.

```
.text, #text, p{  
    color:rgb(165, 165, 165)  
}
```

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(165, 165, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 165, 165) }
```

Border

The CSS property to change the border of an element to XYZ 35.7637, 37.6262, 40.9749 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(165, 165, 165) }
```

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

```
.border{ border-color:rgb(165, 165, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 165, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 165, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 165, 165);  
box-shadow:4px 4px 4px 4px rgb(165, 165,  
165) }
```


Background

The CSS property to change the background color of an element to XYZ 35.7637, 37.6262, 40.9749 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 165, 165) }
```

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

```
.background{ background-color: rgb(165,  
165, 165) }
```

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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