

Converting Colors

XYZ(35.9086, 38.8676, 18.2753)

Have a look what the booklet for
XYZ(35.9086, 38.8676, 18.2753)
contains.

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Color

**XYZ(35.7454, 38.6640,
18.1493)**

Conversions

Conversions Part 1

Format	Color
Hex	B7A766
RGB	183, 167, 102
RGB Percent	72%, 65%, 40%
CMY	0.2824, 0.3451, 0.6000
CMYK	0.00, 0.09, 0.44, 0.28
HSL	48°, 36%, 56%
HSV	48°, 44%, 72%
XYZ	35.7454, 38.6640, 18.1493
YIQ	164.3740, 30.4010, -16.8230

Conversions

Conversions Part 2

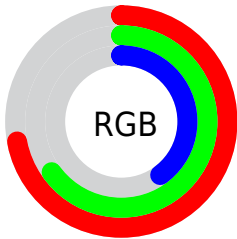
Format	Color
RYB	122, 183, 102
Decimal	12035942
CIELab	68.51, -3.35, 35.63
CIELCh	69, 35.790, 95.365
Yxy	38.6640, 0.3862, 0.4177
Android (android.graphics.Color)	4290226022 (0xFFB7A766)
YUV	164.3740, -30.7504, 16.3350
Hunter-Lab	62.1804, -6.2021, 26.2206

Details

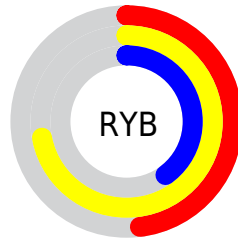
The XYZ color **35.7454, 38.6640, 18.1493** is a light color, and the websafe version is hex **999966**. A complement of this color would be **20.5050, 19.1999, 47.4248**, and the grayscale version is **35.5976, 37.4514, 40.7846**.

A 20% lighter version of the original color is **67.8892, 73.1009, 41.1036**, and **15.6754, 17.1077, 5.8441** is the 20% darker color. If you saturate the color by 10%, you get **34.2837, 37.0362, 13.6682**, and if you desaturate by 10%, it is **37.4279, 40.4126, 23.6933**.

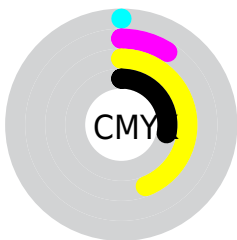
Distribution



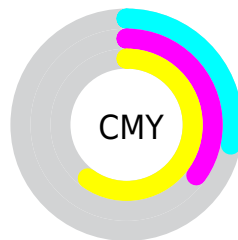
- Red (72%)
- Green (65%)
- Blue (40%)



- Red (48%)
- Yellow (72%)
- Blue (40%)



- Cyan (0%)
- Magenta (9%)
- Yellow (44%)
- Black (28%)



- Cyan (28%)
- Magenta (35%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.7454, 38.6640, 18.1493 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 35.7454, 38.6640, 18.1493 by changing the saturation by 10% instead.

■ 35.7454, 38.6640,
18.1493

■ 35.7454, 38.6640,
18.1493

319.2970,
340.4598, 253.9755

■ 24.4068, 26.4984,
10.8867

■ 67.9654, 73.1247,
41.1089

■ 15.7620, 17.1969,
5.8775

■ 89.5775, 96.1887,
57.6430

■ 9.4457, 10.3750,
2.7031

■ 115.3448,
123.6543, 78.1047

■ 5.0924, 5.6483,
0.9450

■ 145.6327,
155.9058, 102.9125

■ 2.3369, 2.6324,
0.0000

180.8065,
193.3278, 132.4849

■ 0.8135, 0.9430,
0.0000

221.2316,

■ 0.0000, 0.0000,

236.3045, 167.2405

0.0000

267.2733,
285.2204, 207.5979

■ 35.7454, 38.6640,
18.1493

■ 35.7454, 38.6640,
18.1493

■ 34.2837, 37.0362,
13.6682

■ 37.4279, 40.4126,
23.6933

■ 33.0264, 35.5180,
10.1773

■ 39.3405, 42.2817,
30.3616

■ 31.9595, 34.1052,
7.5986

■ 41.4956, 44.2778,
38.2138

■ 31.0654, 32.7903,
5.8414

■ 43.9036, 46.4054,
47.3046

■ 30.3233, 31.5649,
4.7961

■ 46.5745, 48.6687,
57.6853

■ 29.9407, 30.8918,
4.3847

■ 49.5175, 51.0716,
69.4043

■ 52.7414, 53.6178,
82.5074

■ 56.2548, 56.3110,
97.0383

■ 58.1237, 58.3778,
102.8123

Harmonies

Analogous

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



41.4518, 38.6640, 19.7268



35.7454, 38.6640, 18.1493



30.8291, 38.6640, 21.5290

Triad

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



35.7454, 38.6640, 18.1493



28.6042, 38.6640, 62.7281



47.5011, 38.6640, 56.3994

Complementary

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



35.7454, 38.6640, 18.1493



20.5050, 19.1999, 47.4248

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.



43.3819, 38.6640, 72.8035



35.7454, 38.6640, 18.1493



32.4160, 38.6640, 77.0632

Square

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



35.7454, 38.6640, 18.1493



26.9846, 38.6640, 45.0664



37.7712, 38.6640, 81.1556



48.6234, 38.6640, 39.2639

Rectangle

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



35.7454, 38.6640, 18.1493



28.5373, 38.6640, 26.8136



37.7712, 38.6640, 81.1556



46.4018, 38.6640, 62.3066

Sweetspot

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



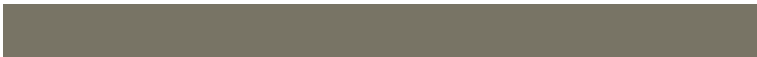
35.7463, 38.6658, 18.1501



74.7480, 79.6887, 70.0387



27.5619, 20.8832, 19.7806



16.3106, 17.4209, 14.7313



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



35.7463, 38.6658, 18.1501



61.4958, 66.4402, 24.7553



33.5705, 42.1666, 18.9405



9.5955, 10.1939, 9.5688



20.9359, 21.6481, 3.0751



0.7770, 0.8411, 0.1214

Inverse Universe

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



20.5050, 19.1999, 47.4248



30.7654, 27.2202, 83.8682



21.9475, 17.3806, 46.9976



8.6609, 8.9990, 11.3599



6.4453, 3.3503, 31.5600



0.2703, 0.2043, 1.1269

Previews

White Background



This preview shows how the XYZ color 35.7454, 38.6640, 18.1493 looks on a white background.

Color Contrast Check

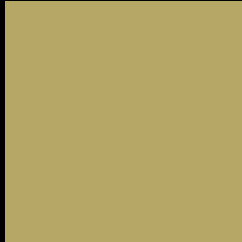
Large Text (above 18pt) WCAG AA × Fail

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 35.7454, 38.6640, 18.1493 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

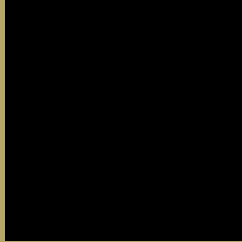
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 35.7454, 38.6640, 18.1493

Background



This preview shows how black text looks on a background with the XYZ color 35.7454, 38.6640, 18.1493.

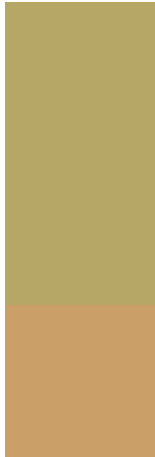


This preview shows how white text looks on a background with the XYZ color 35.7454, 38.6640,

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

35.7454, 38.6640, 18.1493

Protanopia

35.7454, 38.6640, 18.1493

Deuteranopia

39.4266, 38.6976, 18.4881



Tritanopia

40.9840, 38.6837, 43.8347

Trichromacy



Original Color

35.7454, 38.6640, 18.1493

Protanomaly

35.7454, 38.6640, 18.1493

Deuteranomaly

38.0511, 38.7758, 18.3109

Tritanomaly

38.6022, 38.4808, 32.5871

Monochromacy



Original Color

35.7454, 38.6640, 18.1493

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

35.0574, 37.4913, 30.5881

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.7454, 38.6640, 18.1493 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(183, 167, 102)` looks like.

```
.text, #text, p{  
    color:rgb(183, 167, 102)  
}
```

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(183, 167, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 167, 102) }
```

Border

The CSS property to change the border of an element to XYZ 35.7454, 38.6640, 18.1493 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(183, 167, 102) }
```


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

```
.border{ border-color:rgb(183, 167, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 167, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 167, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 167, 102);  
box-shadow:4px 4px 4px 4px rgb(183, 167,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 35.7454, 38.6640, 18.1493 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 167, 102) }
```

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

```
.background{ background-color: rgb(183,  
167, 102) }
```

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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