

Converting Colors

XYZ(40.3866, 49.9673, 35.5982)

Have a look what the booklet for
XYZ(40.3866, 49.9673, 35.5982)
contains.

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Color

**XYZ(40.2118, 49.7520,
35.5007)**

Conversions

Conversions Part 1

Format	Color
Hex	A2C594
RGB	162, 197, 148
RGB Percent	64%, 77%, 58%
CMY	0.3647, 0.2274, 0.4196
CMYK	0.18, 0.00, 0.25, 0.23
HSL	103°, 30%, 68%
HSV	103°, 25%, 77%
XYZ	40.2118, 49.7520, 35.5007
YIQ	180.9490, -5.1310, -22.6590

Conversions

Conversions Part 2

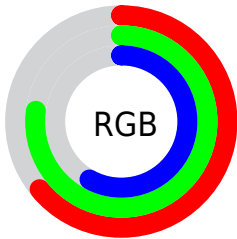
Format	Color
RYB	148, 197, 183
Decimal	10667412
CIELab	75.92, -20.84, 20.82
CIElCh	76, 29.459, 135.021
Yxy	49.7520, 0.3205, 0.3965
Android (android.graphics.Color)	4288857492 (0xFFA2C594)
YUV	180.9490, -16.2439, -16.6183
Hunter-Lab	70.5351, -21.6742, 19.5336

Details

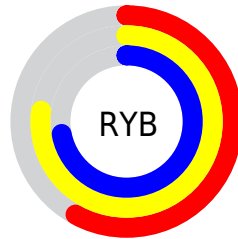
The XYZ color **40.2118, 49.7520, 35.5007** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **40.1986, 35.2798, 57.5170**, and the grayscale version is **43.9815, 46.2720, 50.3902**.

A 20% lighter version of the original color is **74.7178, 89.8996, 69.2914**, and **18.4105, 23.8230, 14.9372** is the 20% darker color. If you saturate the color by 10%, you get **36.0831, 47.7902, 27.8489**, and if you desaturate by 10%, it is **44.9285, 51.9892, 44.5675**.

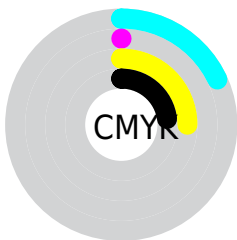
Distribution



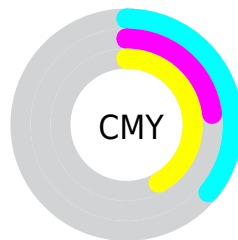
- Red (64%)
- Green (77%)
- Blue (58%)



- Red (58%)
- Yellow (77%)
- Blue (72%)



- Cyan (18%)
- Magenta (0%)
- Yellow (25%)
- Black (23%)



- Cyan (36%)
- Magenta (23%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.2118, 49.7520, 35.5007 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 40.2118, 49.7520, 35.5007 by changing the saturation by 10% instead.

■ 40.2118, 49.7520,
35.5007

■ 40.2118, 49.7520,
35.5007

338.1346,
385.6953, 341.7441

■ 27.8887, 35.2164,
23.7622

■ 74.7682, 89.8073,
69.4211

■ 18.3818, 23.8296,
14.9467

■ 97.7322, 116.0958,
92.4400

■ 11.3258, 15.2073,
8.6358

124.9739,
147.0707, 120.0561

■ 6.3553, 8.9650,
4.4109

156.8586,
183.1164, 152.6880

■ 3.1050, 4.7183,
1.8533

193.7516,
224.6174, 190.7542

■ 1.2095, 2.0830,
0.4628

236.0184,

■ 0.1139, 0.6550,

271.9579, 234.6733

0.0000

284.0243,
325.5224, 284.8637

■ 0.0000, 0.0000,
0.0000

■ 40.2118, 49.7520,
35.5007

■ 40.2118, 49.7520,
35.5007

■ 36.0831, 47.7902,
27.8489

■ 44.9285, 51.9892,
44.5675

■ 32.5146, 46.0865,
21.5375

■ 50.2517, 54.5056,
55.1121

■ 29.4819, 44.6317,
16.4902

■ 56.2041, 57.3128,
67.1978

■ 26.9571, 43.4131,
12.6216

■ 62.8058, 60.4200,
80.8830

■ 24.9098, 42.4172,
9.8358

■ 70.0761, 63.8360,
96.2231

■ 23.3054, 41.6286,
8.0217

■ 76.1764, 66.8263,
103.4916

■ 22.1041, 41.0297,
7.0445

■ 79.2573, 68.4145,
103.6358

■ 21.6138, 40.7833,
6.7328

Harmonies

Analogous

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



44.6063, 49.7520, 29.9190



40.2118, 49.7520, 35.5007



37.8123, 49.7520, 46.7325

Triad

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



40.2118, 49.7520, 35.5007



44.6135, 49.7520, 88.9089



58.2249, 49.7520, 46.7131

Complementary

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



40.2118, 49.7520, 35.5007



40.1986, 35.2798, 57.5170

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.



58.2272, 49.7520, 62.3608



40.2118, 49.7520, 35.5007



50.0747, 49.7520, 88.9009

Square

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



40.2118, 49.7520, 35.5007



40.2167, 49.7520, 78.4739



55.1487, 49.7520, 78.4538



55.1426, 49.7520, 35.4889

Rectangle

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



40.2118, 49.7520, 35.5007



37.5390, 49.7520, 56.8587



55.1487, 49.7520, 78.4538



58.5932, 49.7520, 51.5703

Sweetspot

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



40.2131, 49.7541, 35.5018



87.7716, 96.5646, 94.2485



45.1628, 47.5895, 34.8231



18.6581, 20.6080, 19.9166



0.0000, 0.0000, 0.0000



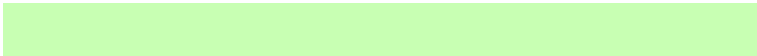
20.3446, 21.4041, 23.3091

Same Dimension

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



40.2131, 49.7541, 35.5018



67.7603, 87.0826, 55.6205



38.3349, 48.6924, 39.6367



10.7773, 12.0321, 11.3172



14.2877, 26.8609, 4.4316



0.7495, 1.3095, 0.2133

Inverse Universe

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



40.1986, 35.2798, 57.5170



67.7220, 56.6084, 101.9649



42.6088, 36.6479, 51.9563



10.7765, 10.6585, 13.4068



13.9084, 6.4043, 35.2475



0.7273, 0.3387, 1.6722

Previews

White Background



This preview shows how the XYZ color 40.2118, 49.7520, 35.5007 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 40.2118, 49.7520, 35.5007 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

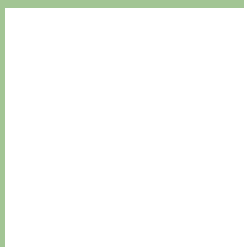
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.2118, 49.7520, 35.5007

Background



This preview shows how black text looks on a background with the XYZ color 40.2118, 49.7520, 35.5007.



This preview shows how white text looks on a background with the XYZ color 40.2118, 49.7520,

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

40.2118, 49.7520, 35.5007

Protanopia

46.0700, 49.2431, 33.0633

Deuteranopia

50.4029, 49.2589, 36.5572



Tritanopia

46.2275, 49.8926, 64.9514

Trichromacy



Original Color

40.2118, 49.7520, 35.5007

Protanomaly

43.7740, 49.3103, 33.9988

Deuteranomaly

46.1708, 49.2225, 36.3456

Tritanomaly

43.8701, 49.9255, 52.6718

Monochromacy



Original Color

40.2118, 49.7520, 35.5007

Achromatopsia

43.9204, 46.2077, 50.3202

Achromatomaly

42.3873, 47.4039, 44.4519

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.2118, 49.7520, 35.5007 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(162, 197, 148)` looks like.

```
.text, #text, p{  
    color:rgb(162, 197, 148)  
}
```

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(162, 197, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 197, 148) }
```

Border

The CSS property to change the border of an element to XYZ 40.2118, 49.7520, 35.5007 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(162, 197, 148) }
```


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

```
.border{ border-color:rgb(162, 197, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 197, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 197, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 197, 148);  
box-shadow:4px 4px 4px 4px rgb(162, 197,  
148) }
```

Background

The CSS property to change the background color of an element to XYZ 40.2118, 49.7520, 35.5007 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 197, 148) }
```

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

```
.background{ background-color: rgb(162,  
197, 148) }
```

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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