

Converting Colors

XYZ(40.1820, 49.8872, 35.7576)

Have a look what the booklet for
XYZ(40.1820, 49.8872, 35.7576)
contains.

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Color

**XYZ(40.0890, 49.6795,
35.9100)**

Conversions

Conversions Part 1

Format	Color
Hex	A1C595
RGB	161, 197, 149
RGB Percent	63%, 77%, 58%
CMY	0.3686, 0.2274, 0.4157
CMYK	0.18, 0.00, 0.24, 0.23
HSL	105°, 29%, 68%
HSV	105°, 24%, 77%
XYZ	40.0890, 49.6795, 35.9100
YIQ	180.7640, -6.0480, -22.5600

Conversions

Conversions Part 2

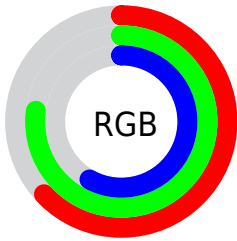
Format	Color
RYB	149, 197, 185
Decimal	10601877
CIELab	75.87, -21.03, 20.22
CIELCh	76, 29.172, 136.124
Yxy	49.6795, 0.3190, 0.3953
Android (android.graphics.Color)	4288791957 (0xFFA1C595)
YUV	180.7640, -15.6597, -17.3330
Hunter-Lab	70.4837, -21.8210, 19.1315

Details

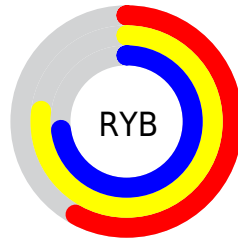
The XYZ color **40.0890, 49.6795, 35.9100** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **40.8352, 35.8419, 57.5919**, and the grayscale version is **43.8788, 46.1639, 50.2725**.

A 20% lighter version of the original color is **74.5402, 89.7943, 69.9033**, and **18.3337, 23.7780, 15.1786** is the 20% darker color. If you saturate the color by 10%, you get **35.8438, 47.6591, 28.1840**, and if you desaturate by 10%, it is **44.9548, 51.9920, 45.0559**.

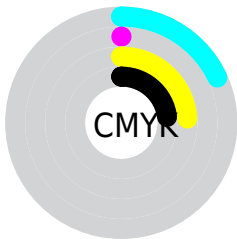
Distribution



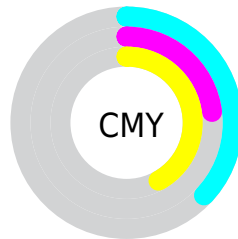
- Red (63%)
- Green (77%)
- Blue (58%)



- Red (58%)
- Yellow (77%)
- Blue (73%)



- Cyan (18%)
- Magenta (0%)
- Yellow (24%)
- Black (23%)





- Cyan (37%)
- Magenta (23%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.0890, 49.6795, 35.9100 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 40.0890, 49.6795, 35.9100 by changing the saturation by 10% instead.


 40.0890, 49.6795,
35.9100


 40.0890, 49.6795,
35.9100


337.6265,
385.4113, 343.5925

 27.7925, 35.1588,
24.0756


 74.5825, 89.6998,
70.0606

 18.3089, 23.7852,
15.1770


 97.5102, 115.9683,
93.2139

 11.2730, 15.1744,
8.7957


124.7123,
146.9214, 120.9771

 6.3194, 8.9419,
4.5132

156.5541,
182.9436, 153.7689

 3.0828, 4.7033,
1.9109

193.4012,
224.4193, 192.0078

 1.1977, 2.0742,
0.4996

235.6186,

 0.1045, 0.6501,

271.7329, 236.1124

0.0000

283.5720,
325.2687, 286.5011

■ 0.0000, 0.0000,
0.0000

■ 40.0890, 49.6795,
35.9100

■ 40.0890, 49.6795,
35.9100

■ 35.8438, 47.6591,
28.1840

■ 44.9548, 51.9920,
45.0559

■ 32.1897, 45.9128,
21.8037

■ 50.4614, 54.6012,
55.6844

■ 29.1007, 44.4303,
16.6928

■ 56.6328, 57.5196,
67.8586

■ 26.5468, 43.1980,
12.7664

■ 63.4906, 60.7571,
81.6369

■ 24.4955, 42.2012,
9.9290

■ 71.0554, 64.3230,
97.0746

■ 22.9102, 41.4234,
8.0705

■ 77.3188, 67.4152,
103.5450

■ 21.7482, 40.8456,
7.0574

■ 79.2573, 68.4145,
103.6358

■ 21.2457, 40.5936,
6.7156

Harmonies

Analogous

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



44.3797, 49.6795, 30.1620



40.0890, 49.6795, 35.9100



37.7953, 49.6795, 47.2371

Triad

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



40.0890, 49.6795, 35.9100



44.7602, 49.6795, 88.6031



57.9699, 49.6795, 46.2099

Complementary

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



40.0890, 49.6795, 35.9100



40.8352, 35.8419, 57.5919

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.



58.0915, 49.6795, 61.5811



40.0890, 49.6795, 35.9100



50.1766, 49.6795, 88.1821

Square

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



40.0890, 49.6795, 35.9100



40.3491, 49.6795, 78.6222



55.1476, 49.6795, 77.5632



54.8272, 49.6795, 35.2828

Rectangle

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



40.0890, 49.6795, 35.9100



37.5845, 49.6795, 57.3438



55.1476, 49.6795, 77.5632



58.3733, 49.6795, 50.9665

Sweetspot

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



40.0903, 49.6816, 35.9111



87.5528, 96.4518, 94.2383



45.8018, 48.7404, 35.4284



18.6076, 20.5820, 19.9142



0.0000, 0.0000, 0.0000



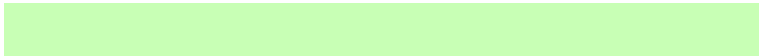
20.3446, 21.4041, 23.3091

Same Dimension

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



40.0903, 49.6816, 35.9111



67.8010, 87.0736, 56.9764



38.7953, 48.8975, 41.1128



10.7418, 12.0138, 11.3155



14.0390, 26.7327, 4.4200



0.7335, 1.3013, 0.2125

Inverse Universe

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



40.8352, 35.8419, 57.5919



69.3475, 58.2093, 102.1882



42.5322, 36.8693, 50.7758



10.8142, 10.6780, 13.4086



14.7125, 6.8188, 35.2851



0.7600, 0.3555, 1.6737

Previews

White Background



This preview shows how the XYZ color 40.0890, 49.6795, 35.9100 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 40.0890, 49.6795, 35.9100 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

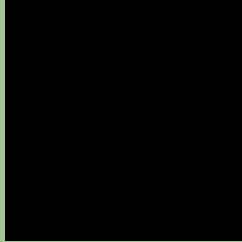
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.0890, 49.6795, 35.9100

Background



This preview shows how black text looks on a background with the XYZ color 40.0890, 49.6795, 35.9100.



This preview shows how white text looks on a background with the XYZ color 40.0890, 49.6795,

35.9100.

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

40.0890, 49.6795, 35.9100

Protanopia

46.1461, 49.2735, 33.4641

Deuteranopia

50.1888, 49.1390, 36.9765



Tritanopia

46.0105, 49.7807, 64.9412

Trichromacy



Original Color

40.0890, 49.6795, 35.9100

Protanomaly

43.6093, 49.2165, 34.3954

Deuteranomaly

45.9914, 49.1206, 36.7630

Tritanomaly

43.7633, 49.8582, 53.2160

Monochromacy



Original Color

40.0890, 49.6795, 35.9100

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 40.0890, 49.6795, 35.9100 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(161, 197, 149)` looks like.

```
.text, #text, p{  
    color:rgb(161, 197, 149)  
}
```

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(161, 197, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 197, 149) }
```

Border

The CSS property to change the border of an element to XYZ 40.0890, 49.6795, 35.9100 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(161, 197, 149) }
```


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

```
.border{ border-color:rgb(161, 197, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 197, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 197, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 197, 149);  
box-shadow:4px 4px 4px 4px rgb(161, 197,  
149) }
```

Background

The CSS property to change the background color of an element to XYZ 40.0890, 49.6795, 35.9100 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 197, 149) }
```

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

```
.background{ background-color: rgb(161,  
197, 149) }
```

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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