

Converting Colors

XYZ(35.5595, 40.2277, 24.1021)

Have a look what the booklet for
XYZ(35.5595, 40.2277, 24.1021)
contains.

XYZ(35.4080, 40.0383, 23.9511)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(35.4080, 40.0383,
23.9511)**

Conversions

Conversions Part 1

Format	Color
Hex	ACAD79
RGB	172, 173, 121
RGB Percent	67%, 68%, 47%
CMY	0.3255, 0.3216, 0.5255
CMYK	0.01, 0.00, 0.30, 0.32
HSL	61°, 24%, 58%
HSV	61°, 30%, 68%
XYZ	35.4080, 40.0383, 23.9511
YIQ	166.7730, 16.0960, -16.3840

Conversions

Conversions Part 2

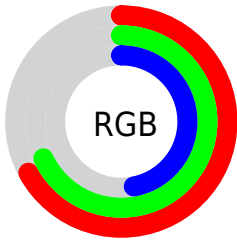
Format	Color
RYB	121, 173, 122
Decimal	11316601
CIELab	69.50, -8.75, 26.68
CIELCh	69, 28.076, 108.161
Yxy	40.0383, 0.3562, 0.4028
Android (android.graphics.Color)	4289506681 (0xFFACAD79)
YUV	166.7730, -22.5661, 4.5841
Hunter-Lab	63.2758, -10.8473, 21.8507

Details

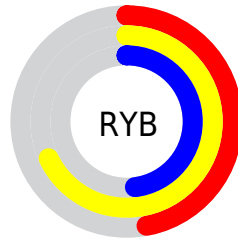
The XYZ color **35.4080, 40.0383, 23.9511** is a light color, and the websafe version is hex **999966**. A complement of this color would be **22.4078, 20.8305, 42.3772**, and the grayscale version is **36.7218, 38.6342, 42.0726**.

A 20% lighter version of the original color is **67.3783, 75.0368, 50.9767**, and **15.6148, 18.0646, 8.7947** is the 20% darker color. If you saturate the color by 10%, you get **34.3680, 39.6152, 18.8524**, and if you desaturate by 10%, it is **36.6405, 40.5412, 30.0537**.

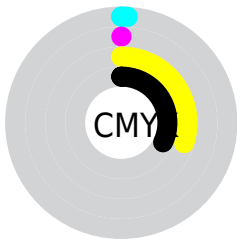
Distribution



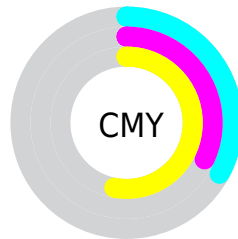
- Red (67%)
- Green (68%)
- Blue (47%)



- Red (47%)
- Yellow (68%)
- Blue (48%)



- Cyan (1%)
- Magenta (0%)
- Yellow (30%)
- Black (32%)





- Cyan (33%)
- Magenta (32%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.4080, 40.0383, 23.9511 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 35.4080, 40.0383, 23.9511 by changing the saturation by 10% instead.


 35.4080, 40.0383,
23.9511


 35.4080, 40.0383,
23.9511


317.8421,
346.2850, 285.8518


 24.1453, 27.5684,
15.0855


 67.4472, 75.2218,
50.8932

 15.5668, 18.0006,
8.7321


 88.9544, 98.7043,
69.8068

 9.3070, 10.9504,
4.4724


 114.6072,
126.6263, 92.9068

 5.0007, 6.0335,
1.8879

144.7710,
159.3724, 120.6117

 2.2824, 2.8655,
0.4850

179.8110,
197.3269, 153.3402

 0.7856, 1.0619,
0.0000

220.0926,

 0.0000, 0.0000,

240.8743, 191.5106

0.0000

265.9812,
290.3988, 235.5416

■ 35.4080, 40.0383,
23.9511

■ 35.4080, 40.0383,
23.9511

■ 34.3680, 39.6152,
18.8524

■ 36.6405, 40.5412,
30.0537

■ 33.5073, 39.2625,
14.7014

■ 38.0720, 41.1223,
37.2071

■ 32.8158, 38.9775,
11.4404


■ 39.7121, 41.7868,
45.4586


■ 32.2811, 38.7552,
9.0043


■ 41.5692, 42.5382,
54.8517

■ 31.8892, 38.5901,
7.3193

■ 43.6511, 43.3796,
65.4275


 31.6236, 38.4755,
6.2983

 45.9652, 44.3138,
77.2252

 31.4491, 38.3974,
5.7539

 48.5186, 45.3438,
90.2820

 50.6005, 46.1852,
100.8554

 50.6755, 46.2238,
100.8589

Harmonies

Analogous

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



39.8676, 40.0383, 23.4772



35.4080, 40.0383, 23.9511



31.9360, 40.0383, 29.0008

Triad

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



35.4080, 40.0383, 23.9511



32.5433, 40.0383, 64.9115



47.2185, 40.0383, 48.9076

Complementary

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



35.4080, 40.0383, 23.9511



22.4078, 20.8305, 42.3772

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.



44.9101, 40.0383, 62.4110



35.4080, 40.0383, 23.9511



36.2986, 40.0383, 72.8021

Square

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



35.4080, 40.0383, 23.9511



30.3745, 40.0383, 51.8293



40.8312, 40.0383, 71.8057



46.9324, 40.0383, 36.2824

Rectangle

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



35.4080, 40.0383, 23.9511



30.5391, 40.0383, 34.9697



40.8312, 40.0383, 71.8057



46.7132, 40.0383, 53.5332

Sweetspot

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



35.4090, 40.0401, 23.9519



68.4304, 73.7449, 67.8826



27.6293, 24.1520, 21.2953



14.7868, 15.9921, 14.3280



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



35.4090, 40.0401, 23.9519



62.1500, 71.1909, 36.6975



30.2741, 37.3929, 23.7116



8.6471, 9.3222, 8.5570



23.1086, 28.2100, 4.2271



0.6476, 0.7872, 0.1178

Inverse Universe

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



22.4078, 20.8305, 42.3772



35.1323, 31.2697, 74.9898



26.5701, 22.9762, 42.5720



7.5927, 7.7643, 10.0512



5.5777, 2.2353, 29.1820



0.1597, 0.0645, 0.8120

Previews

White Background



This preview shows how the XYZ color 35.4080, 40.0383, 23.9511 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 35.4080, 40.0383, 23.9511 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

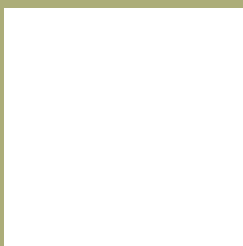
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 35.4080, 40.0383, 23.9511

Background



This preview shows how black text looks on a background with the XYZ color 35.4080, 40.0383, 23.9511.



This preview shows how white text looks on a background with the XYZ color 35.4080, 40.0383,

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

35.4080, 40.0383, 23.9511

Protanopia

37.2933, 40.1728, 23.5579

Deuteranopia

40.7597, 40.0420, 24.3195



Tritanopia

40.3633, 40.1108, 48.2626

Trichromacy



Original Color

35.4080, 40.0383, 23.9511

Protanomaly

36.5435, 40.0656, 23.5767

Deuteranomaly

38.5668, 39.9897, 24.0985

Tritanomaly

38.2640, 40.0747, 38.0662

Monochromacy



Original Color

35.4080, 40.0383, 23.9511

Achromatopsia

36.7301, 38.6429, 42.0822

Achromatomaly

36.0552, 39.0130, 34.4841

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.4080, 40.0383, 23.9511 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(172, 173, 121)` looks like.

```
.text, #text, p{  
    color:rgb(172, 173, 121)  
}
```

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(172, 173, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 173, 121) }
```

Border

The CSS property to change the border of an element to XYZ 35.4080, 40.0383, 23.9511 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(172, 173, 121) }
```


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

```
.border{ border-color:rgb(172, 173, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 173, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(172, 173, 121); -webkit-box-shadow:4px 4px 4px 4px rgb(172, 173, 121); box-shadow:4px 4px 4px 4px rgb(172, 173, 121) }
```

Background

The CSS property to change the background color of an element to XYZ 35.4080, 40.0383, 23.9511 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 173, 121) }
```

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

```
.background{ background-color: rgb(172,  
173, 121) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor