

Converting Colors

XYZ(61.3509, 70.1353, 40.4409)

Have a look what the booklet for
XYZ(61.3509, 70.1353, 40.4409)
contains.

XYZ(61.3509, 70.1353, 40.4409)	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(61.3509, 70.1353,
40.4409)**

Conversions

Conversions Part 1

Format	Color
Hex	DBDF99
RGB	219, 223, 153
RGB Percent	86%, 87%, 60%
CMY	0.1412, 0.1255, 0.4000
CMYK	0.02, 0.00, 0.31, 0.13
HSL	63°, 52%, 74%
HSV	63°, 31%, 87%
XYZ	61.3509, 70.1353, 40.4409
YIQ	213.8240, 20.0860, -22.6180

Conversions

Conversions Part 2

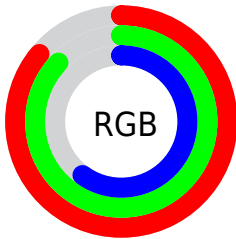
Format	Color
RYB	153, 223, 157
Decimal	14409625
CIELab	87.06, -12.12, 33.93
CIELCh	87, 36.032, 109.663
Yxy	70.1353, 0.3568, 0.4079
Android (android.graphics.Color)	4292599705 (0xFFDBDF99)
YUV	213.8240, -29.9862, 4.5394
Hunter-Lab	83.7468, -15.7921, 29.9919

Details

The XYZ color **61.3509, 70.1353, 40.4409** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **38.6177, 35.2800, 74.5903**, and the grayscale version is **63.9855, 67.3177, 73.3090**.

A 20% lighter version of the original color is **88.3852, 97.3341, 73.8035**, and **31.4559, 36.7314, 17.7439** is the 20% darker color. If you saturate the color by 10%, you get **59.2968, 69.2719, 31.6124**, and if you desaturate by 10%, it is **63.7557, 71.1442, 51.0854**.

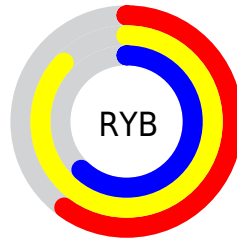
Distribution



Red (86%)

Green (87%)

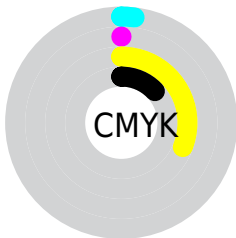
Blue (60%)



Red (60%)

Yellow (87%)

Blue (62%)

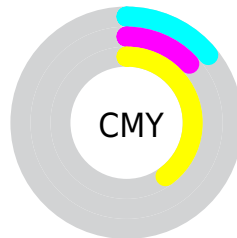


Cyan (2%)

Magenta (0%)

Yellow (31%)

Black (13%)



Cyan (14%)


Magenta (13%)

Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 61.3509, 70.1353, 40.4409 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 61.3509, 70.1353, 40.4409 by changing the saturation by 10% instead.


 61.3509, 70.1353,
40.4409


 61.3509, 70.1353,
40.4409


419.3148,
461.0249, 363.5856

 44.7620, 51.6368,
27.5661


 105.8821,
119.4017, 77.0789

 31.4705, 36.7157,
17.7626


 134.5551,
150.9384, 101.6791

 21.1110, 24.9874,
10.6120

167.9869,
187.5900, 131.0248

 13.3181, 16.0677,
5.6957

206.5428,
229.7409, 165.5346

 7.7264, 9.5721,
2.5952

250.5882,
277.7754, 205.6271

 3.9707, 5.1162,
0.8900

300.4884,

 1.6856, 2.3156,

332.0780, 251.7207

0.0000

356.6089,
393.0330, 304.2340

■ 0.4472, 0.7819,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 61.3509, 70.1353,
40.4409

■ 61.3509, 70.1353,
40.4409

■ 59.2968, 69.2719,
31.6124

■ 63.7557, 71.1442,
51.0854

■ 57.5690, 68.5370,
24.4943


■ 66.5237, 72.2962,
63.6349


■ 56.1480, 67.9251,
18.9769


■ 69.6732, 73.6012,
78.1777


■ 55.0104, 67.4269,
14.9360


■ 73.2196, 75.0653,
94.7954


 54.1289, 67.0315,
12.2293


 75.6091, 76.0670,
105.3051

 53.4714, 66.7259,
10.6862

 76.0092, 76.2733,
105.3238

 53.0378, 66.5162,
10.0435

 76.4124, 76.4811,
105.3427

 76.8185, 76.6905,
105.3617

 77.2277, 76.9014,
105.3809

Harmonies

Analogous

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



69.6146, 70.1353, 39.1746



61.3509, 70.1353, 40.4409



55.0458, 70.1353, 50.0700

Triad

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



61.3509, 70.1353, 40.4409



56.7037, 70.1353, 117.5315



83.9263, 70.1353, 85.0078

Complementary

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



61.3509, 70.1353, 40.4409



38.6177, 35.2800, 74.5903

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.



79.8061, 70.1353, 110.5541



61.3509, 70.1353, 40.4409



63.7931, 70.1353, 131.7897

Square

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



61.3509, 70.1353, 40.4409



52.5236, 70.1353, 93.0882



72.2700, 70.1353, 128.9967



83.1328, 70.1353, 61.7759

Rectangle

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



61.3509, 70.1353, 40.4409



52.5792, 70.1353, 61.3317



72.2700, 70.1353, 128.9967



83.0573, 70.1353, 93.6747

Sweetspot

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



61.3527, 70.1385, 40.4424



91.0912, 98.3609, 90.5657



48.1560, 41.9347, 35.6940



19.3690, 21.0000, 18.7959



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.



61.3527, 70.1385, 40.4424



81.1699, 94.2157, 46.3002



52.0272, 65.3310, 40.0060



14.7902, 15.9875, 14.6132



31.2170, 39.1255, 5.9067



2.1877, 2.7243, 0.4105

Inverse Universe

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



38.6177, 35.2800, 74.5903



45.5304, 39.5625, 99.8444



46.3245, 39.2530, 74.9510



13.0243, 13.2805, 17.2646



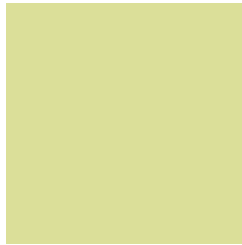
7.9575, 3.1976, 41.2461



0.5775, 0.2350, 2.8602

Previews

White Background



This preview shows how the XYZ color 61.3509, 70.1353, 40.4409 looks on a white background.

Color Contrast Check

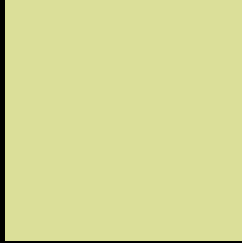
Large Text (above 18pt) WCAG AA × Fail

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 61.3509, 70.1353, 40.4409 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

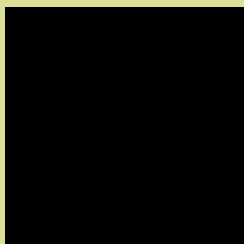
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

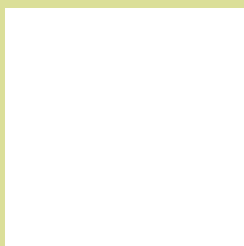
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 61.3509, 70.1353, 40.4409

Background



This preview shows how black text looks on a background with the XYZ color 61.3509, 70.1353, 40.4409.



This preview shows how white text looks on a background with the XYZ color 61.3509, 70.1353,

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

61.3509, 70.1353, 40.4409

Protanopia

64.9183, 70.0393, 39.3755

Deuteranopia

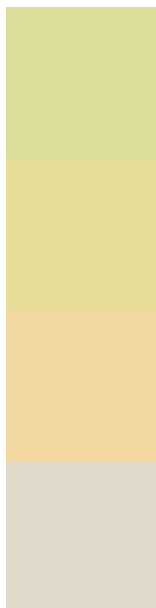
70.9874, 70.0335, 44.8983



Tritanopia

70.3903, 69.9597, 84.6565

Trichromacy



Original Color

61.3509, 70.1353, 40.4409

Protanomaly

63.5738, 70.1114, 39.8879

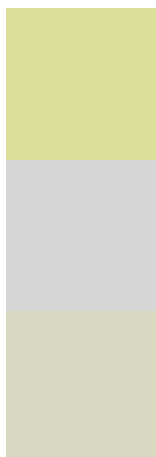
Deuteranomaly

67.2636, 70.0162, 43.2270

Tritanomaly

66.5249, 69.8975, 65.8625

Monochromacy



Original Color

61.3509, 70.1353, 40.4409

Achromatopsia

63.9157, 67.2443, 73.2291

Achromatomaly

62.6462, 68.0304, 59.6985

CSS Examples

Text

The CSS property to change the color of the text to XYZ 61.3509, 70.1353, 40.4409 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(219, 223, 153)` looks like.

```
.text, #text, p{  
    color:rgb(219, 223, 153)  
}
```

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(219, 223, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 223, 153) }
```

Border

The CSS property to change the border of an element to XYZ 61.3509, 70.1353, 40.4409 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(219, 223, 153) }
```


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

```
.border{ border-color:rgb(219, 223, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 223, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(219, 223, 153); -webkit-box-shadow:4px 4px 4px 4px rgb(219, 223, 153); box-shadow:4px 4px 4px 4px rgb(219, 223, 153) }
```

Background

The CSS property to change the background color of an element to XYZ 61.3509, 70.1353, 40.4409 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 223, 153) }
```

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

```
.background{ background-color: rgb(219,  
223, 153) }
```

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