

Converting Colors

XYZ(61.3116, 68.7628, 40.2112)

Have a look what the booklet for
XYZ(61.3116, 68.7628, 40.2112)
contains.

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Color

**XYZ(61.4672, 69.0159,
40.2187)**

Conversions

Conversions Part 1

Format	Color
Hex	DEDC99
RGB	222, 220, 153
RGB Percent	87%, 86%, 60%
CMY	0.1294, 0.1372, 0.4000
CMYK	0.00, 0.01, 0.31, 0.13
HSL	58°, 51%, 74%
HSV	58°, 31%, 87%
XYZ	61.4672, 69.0159, 40.2187
YIQ	212.9600, 22.6990, -20.4130

Conversions

Conversions Part 2

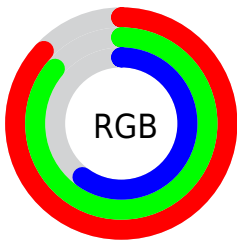
Format	Color
RYB	155, 222, 153
Decimal	14605465
CIELab	86.51, -9.48, 33.24
CIElCh	87, 34.569, 105.909
Yxy	69.0159, 0.3601, 0.4043
Android (android.graphics.Color)	4292795545 (0xFFDEDC99)
YUV	212.9600, -29.5603, 7.9281
Hunter-Lab	83.0758, -13.3118, 29.4496

Details

The XYZ color **61.4672, 69.0159, 40.2187** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **38.0429, 35.4881, 73.9523**, and the grayscale version is **63.4014, 66.7032, 72.6398**.

A 20% lighter version of the original color is **88.3852, 97.3341, 73.8035**, and **31.5300, 35.9568, 17.5905** is the 20% darker color. If you saturate the color by 10%, you get **59.6342, 68.0161, 31.3878**, and if you desaturate by 10%, it is **63.6455, 70.1597, 50.8493**.

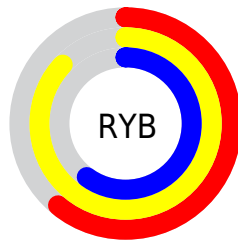
Distribution



Red (87%)

Green (86%)

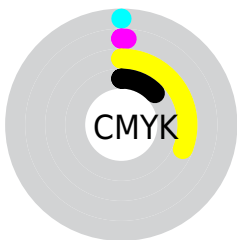
Blue (60%)



Red (61%)

Yellow (87%)

Blue (60%)

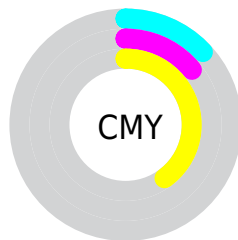


Cyan (0%)

Magenta (1%)

Yellow (31%)

Black (13%)



Cyan (13%)

Magenta (14%)

Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 61.4672, 69.0159, 40.2187 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 61.4672, 69.0159, 40.2187 by changing the saturation by 10% instead.

61.4672, 69.0159,
40.2187

61.4672, 69.0159,
40.2187

419.7335,
457.0871, 362.6240

44.8563, 50.7247,
27.3940

106.0494,
117.8043, 76.7372

31.5450, 35.9895,
17.6343

134.7514,
149.0702, 101.2680

21.1681, 24.4261,
10.5210

168.2145,
185.4298, 130.5380

13.3601, 15.6500,
5.6357

206.8040,
227.2675, 164.9657

7.7557, 9.2768,
2.5597

250.8853,
274.9677, 204.9696

3.9895, 4.9222,
0.8715

300.8238,

1.6962, 2.2017,

328.9148, 250.9682

0.0000

356.9847,
389.4931, 303.3802

■ 0.4539, 0.7209,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 61.4672, 69.0159,
40.2187

■ 61.4672, 69.0159,
40.2187

■ 59.6342, 68.0161,
31.3878

■ 63.6455, 70.1597,
50.8493

■ 58.1223, 67.1434,
24.2525

■ 66.1814, 71.4451,
63.3674

■ 56.9125, 66.3925,
18.7047

■ 69.0929, 72.8818,
77.8603

■ 55.9815, 65.7542,
14.6220

■ 72.3953, 74.4759,
94.4084

■ 55.3028, 65.2179,
11.8642

■ 74.6193, 75.6397,
105.2748

■ 54.8444, 64.7707,
10.2640

■ 74.7914, 75.9838,
105.3321

■ 54.5734, 64.4278,
9.5595

■ 74.9640, 76.3291,
105.3897

■ 75.1373, 76.6757,
105.4475

■ 75.3113, 77.0237,
105.5055

Harmonies

Analogous

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



69.4177, 69.0159, 39.9804



61.4672, 69.0159, 40.2187



55.1494, 69.0159, 48.4528

Triad

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



61.4672, 69.0159, 40.2187



55.4577, 69.0159, 111.4725



81.6919, 69.0159, 86.4006

Complementary

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



61.4672, 69.0159, 40.2187



38.0429, 35.4881, 73.9523

Split Complementary

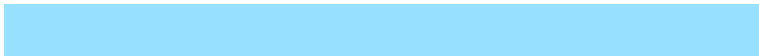
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.2884, 69.0159, 110.1905



61.4672, 69.0159, 40.2187



61.9202, 69.0159, 126.5380

Square

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



61.4672, 69.0159, 40.2187



51.8774, 69.0159, 87.8925



69.9089, 69.0159, 126.0261



81.5456, 69.0159, 63.6966

Rectangle

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



61.4672, 69.0159, 40.2187



52.5226, 69.0159, 58.5473



69.9089, 69.0159, 126.0261



80.6801, 69.0159, 94.6195

Sweetspot

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



61.4689, 69.0190, 40.2201



91.3613, 98.1865, 90.5178



47.4577, 40.6895, 36.4961



19.4361, 20.9567, 18.7840



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.



61.4689, 69.0190, 40.2201



82.5382, 93.6129, 47.2755



53.0569, 65.4643, 39.9774



14.8360, 15.9580, 14.6050



32.4303, 38.2986, 5.6831



2.2587, 2.6764, 0.3975

Inverse Universe

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



38.0429, 35.4881, 73.9523



45.8418, 41.0894, 100.1227



44.6326, 38.3964, 74.1663



12.9837, 13.3064, 17.2718



7.8867, 3.2430, 41.2587



0.5580, 0.2475, 2.8636

Previews

White Background



This preview shows how the XYZ color 61.4672, 69.0159, 40.2187 looks on a white background.

Color Contrast Check

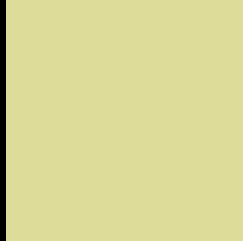
Large Text (above 18pt) WCAG AA × Fail

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 61.4672, 69.0159, 40.2187 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

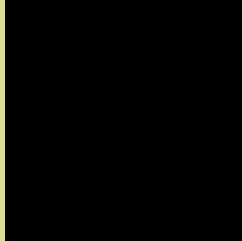
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

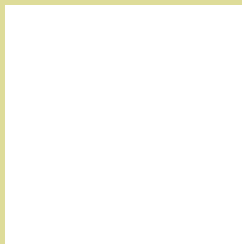
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 61.4672, 69.0159, 40.2187

Background



This preview shows how black text looks on a background with the XYZ color 61.4672, 69.0159, 40.2187.



This preview shows how white text looks on a background with the XYZ color 61.4672, 69.0159,

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

61.4672, 69.0159, 40.2187

Protanopia

64.0735, 68.8385, 39.1883

Deuteranopia

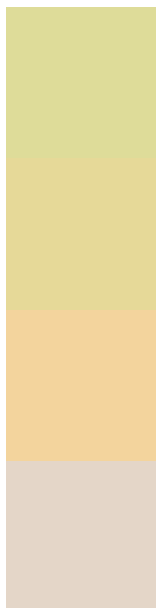
70.0539, 68.8750, 42.4028



Tritanopia

70.1144, 69.1235, 82.3198

Trichromacy



Original Color

61.4672, 69.0159, 40.2187

Protanomaly

63.1135, 68.7157, 39.6428

Deuteranomaly

66.5914, 68.5760, 41.6250

Tritanomaly

66.4668, 68.7572, 64.4119

Monochromacy



Original Color

61.4672, 69.0159, 40.2187

Achromatopsia

63.2451, 66.5387, 72.4607

Achromatomaly

62.2787, 67.4723, 59.0312

CSS Examples

Text

The CSS property to change the color of the text to XYZ 61.4672, 69.0159, 40.2187 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(222, 220, 153)` looks like.

```
.text, #text, p{  
    color:rgb(222, 220, 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(222, 220, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 220, 153) }
```

Border

The CSS property to change the border of an element to XYZ 61.4672, 69.0159, 40.2187 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(222, 220, 153) }
```


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

```
.border{ border-color:rgb(222, 220, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 220, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(222, 220, 153); -webkit-box-shadow:4px 4px 4px 4px rgb(222, 220, 153); box-shadow:4px 4px 4px 4px rgb(222, 220, 153) }
```

Background

The CSS property to change the background color of an element to XYZ 61.4672, 69.0159, 40.2187 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 220, 153) }
```

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

```
.background{ background-color: rgb(222,  
220, 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](#).

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