

Converting Colors

XYZ(61.9625, 75.0989, 34.8967)

Have a look what the booklet for
XYZ(61.9625, 75.0989, 34.8967)
contains.

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Color

**XYZ(61.9625, 75.0989,
34.8967)**

Conversions

Conversions Part 1

Format	Color
Hex	D7EA89
RGB	215, 234, 137
RGB Percent	84%, 92%, 54%
CMY	0.1569, 0.0823, 0.4627
CMYK	0.08, 0.00, 0.41, 0.08
HSL	72°, 70%, 73%
HSV	72°, 41%, 92%
XYZ	61.9625, 75.0989, 34.8967
YIQ	217.2610, 19.8130, -34.1950

Conversions

Conversions Part 2

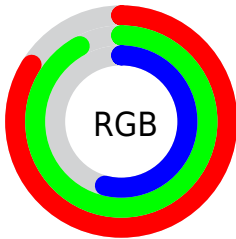
Format	Color
RYB	137, 234, 156
Decimal	14150281
CIELab	89.44, -20.94, 44.92
CIElCh	89, 49.562, 114.987
Yxy	75.0989, 0.3603, 0.4367
Android (android.graphics.Color)	4292340361 (0xFFD7EA89)
YUV	217.2610, -39.5687, -1.9829
Hunter-Lab	86.6596, -24.0250, 36.7864

Details

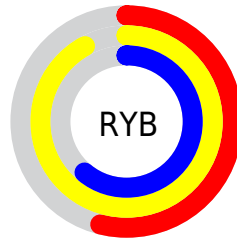
The XYZ color **61.9625, 75.0989, 34.8967** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **37.5102, 30.9018, 81.8340**, and the grayscale version is **66.3876, 69.8449, 76.0611**.

A 20% lighter version of the original color is **86.5144, 96.5858, 63.9523**, and **31.8582, 39.8676, 14.6104** is the 20% darker color. If you saturate the color by 10%, you get **59.1358, 73.8175, 26.9325**, and if you desaturate by 10%, it is **65.1947, 76.5521, 44.7829**.

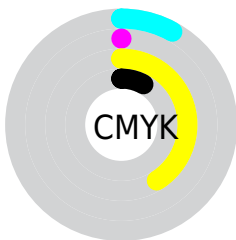
Distribution



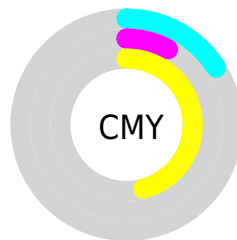
- Red (84%)
- Green (92%)
- Blue (54%)



- Red (54%)
- Yellow (92%)
- Blue (61%)



- Cyan (8%)
- Magenta (0%)
- Yellow (41%)
- Black (8%)



- Cyan (16%)
- Magenta (8%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 61.9625, 75.0989, 34.8967 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 61.9625, 75.0989, 34.8967 by changing the saturation by 10% instead.

61.9625, 75.0989,
34.8967

61.9625, 75.0989,
34.8967

421.5140,
478.2574, 339.0025

45.2579, 55.6939,
23.3004

106.7616,
126.4523, 68.4755

31.8627, 39.9576,
14.6081

135.5867,
159.1696, 91.2950

21.4117, 27.5055,
8.4012

169.1828,
197.0931, 118.6927

13.5395, 17.9532,
4.2613

207.9151,
240.6071, 151.0871

7.8806, 10.9164,
1.7698

252.1491,
290.0962, 188.8968

4.0698, 6.0106,
0.4079

302.2499,

1.7417, 2.8516,

345.9447, 232.5402

0.0000

358.5831,
408.5370, 282.4359

0.4822, 1.0547,
0.0000

0.0000, 0.0000,
0.0000

61.9625, 75.0989,
34.8967

61.9625, 75.0989,
34.8967

59.1358, 73.8175,
26.9325

65.1947, 76.5521,
44.7829

56.6850, 72.6881,
20.7605


68.8488, 78.1759,
56.7005


54.5850, 71.7034,
16.2422


72.9469, 79.9817,
70.7560


52.8050, 70.8509,
13.2167

77.5078, 81.9771,
87.0473

 51.3080, 70.1158,
11.4913


 82.5494, 84.1692,
105.6662

 50.2021, 69.5603,
10.7805

 84.2676, 85.0365,
106.5801

 85.8656, 85.8603,
106.6548

 87.5033, 86.7046,
106.7315

 88.7145, 87.3290,
106.7882

Harmonies

Analogous

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



73.4394, 75.0989, 31.6030



61.9625, 75.0989, 34.8967



53.9108, 75.0989, 49.0868

Triad

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



61.9625, 75.0989, 34.8967



58.8015, 75.0989, 149.6858



97.2606, 75.0989, 87.7544

Complementary

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



61.9625, 75.0989, 34.8967



37.5102, 30.9018, 81.8340

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.



92.2642, 75.0989, 126.4579



61.9625, 75.0989, 34.8967



69.3580, 75.0989, 168.1245

Square

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



61.9625, 75.0989, 34.8967



52.2361, 75.0989, 113.3984



81.7048, 75.0989, 158.6026



94.7068, 75.0989, 56.6482

Rectangle

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



61.9625, 75.0989, 34.8967



51.1166, 75.0989, 65.6404



81.7048, 75.0989, 158.6026



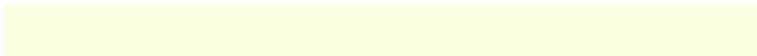
96.3933, 75.0989, 100.3465

Sweetspot

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



61.9643, 75.1023, 34.8983



88.3374, 97.0641, 84.8851



50.1351, 42.6714, 29.2620



18.7621, 20.7117, 17.6610



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.



61.9643, 75.1023, 34.8983



72.2626, 89.8915, 33.7921



50.0290, 68.9494, 34.3397



16.0460, 17.4692, 16.0449



28.3129, 39.1403, 6.0626



2.2970, 3.1115, 0.4795

Inverse Universe

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



37.5102, 30.9018, 81.8340



38.7433, 29.2502, 98.2116



48.5054, 36.5700, 82.3485



14.5067, 14.6910, 18.9933



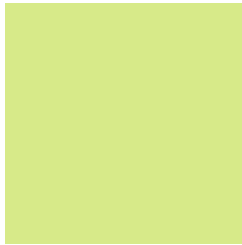
9.0549, 3.7039, 43.9806



0.7867, 0.3299, 3.4571

Previews

White Background



This preview shows how the XYZ color 61.9625, 75.0989, 34.8967 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 61.9625, 75.0989, 34.8967 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

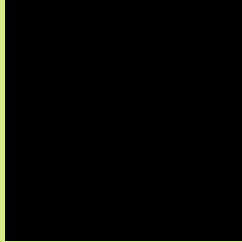
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 61.9625, 75.0989, 34.8967

Background



This preview shows how black text looks on a background with the XYZ color 61.9625, 75.0989, 34.8967.

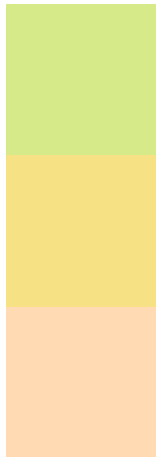


This preview shows how white text looks on a background with the XYZ color 61.9625, 75.0989,

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

61.9625, 75.0989, 34.8967

Protanopia

69.1649, 75.1367, 33.0478

Deuteranopia

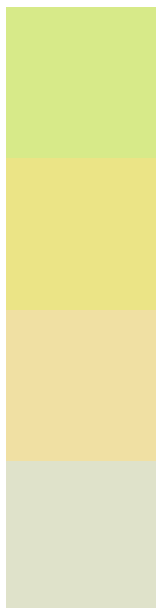
74.3473, 74.6172, 52.6035



Tritanopia

73.6962, 74.9685, 92.2475

Trichromacy



Original Color

61.9625, 75.0989, 34.8967

Protanomaly

66.3074, 74.8702, 33.5109

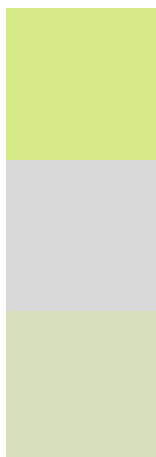
Deuteranomaly

69.2017, 74.4809, 45.3793

Tritanomaly

68.2885, 74.3450, 66.6279

Monochromacy



Original Color

61.9625, 75.0989, 34.8967

Achromatopsia

65.9525, 69.3872, 75.5626

Achromatomaly

63.7837, 71.0051, 57.9206

CSS Examples

Text

The CSS property to change the color of the text to XYZ 61.9625, 75.0989, 34.8967 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(215, 234, 137)` looks like.

```
.text, #text, p{  
    color:rgb(215, 234, 137)  
}
```

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(215, 234, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 234, 137) }
```

Border

The CSS property to change the border of an element to XYZ 61.9625, 75.0989, 34.8967 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(215, 234, 137) }
```


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

```
.border{ border-color:rgb(215, 234, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 234, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 234, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 234, 137);  
box-shadow:4px 4px 4px 4px rgb(215, 234,  
137) }
```

Background

The CSS property to change the background color of an element to XYZ 61.9625, 75.0989, 34.8967 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 234, 137) }
```

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

```
.background{ background-color: rgb(215,  
234, 137) }
```

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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