

Converting Colors

XYZ(66.9120, 74.5049, 58.6889)

Have a look what the booklet for
XYZ(66.9120, 74.5049, 58.6889)
contains.

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Color

**XYZ(66.9447, 74.6472,
58.4569)**

Conversions

Conversions Part 1

Format	Color
Hex	DEE4BC
RGB	222, 228, 188
RGB Percent	87%, 89%, 74%
CMY	0.1294, 0.1059, 0.2627
CMYK	0.03, 0.00, 0.18, 0.11
HSL	69°, 43%, 82%
HSV	69°, 18%, 89%
XYZ	66.9447, 74.6472, 58.4569
YIQ	221.6460, 9.2640, -13.7120

Conversions

Conversions Part 2

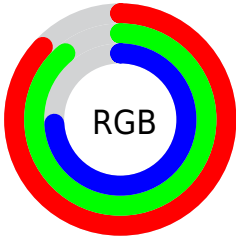
Format	Color
RYB	188, 228, 194
Decimal	14607548
CIELab	89.23, -8.70, 18.88
CIELCh	89, 20.785, 114.747
Yxy	74.6472, 0.3346, 0.3731
Android (android.graphics.Color)	4292797628 (0xFFDEE4BC)
YUV	221.6460, -16.5875, 0.3105
Hunter-Lab	86.3986, -12.8895, 20.3637

Details

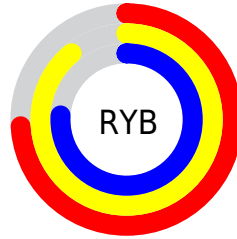
The XYZ color **66.9447, 74.6472, 58.4569** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **54.2378, 53.0392, 80.7817**, and the grayscale version is **69.2918, 72.9004, 79.3885**.

A 20% lighter version of the original color is **93.3291, 99.3117, 99.8380**, and **35.2531, 39.8519, 28.7558** is the 20% darker color. If you saturate the color by 10%, you get **63.6415, 73.2085, 46.4698**, and if you desaturate by 10%, it is **70.6615, 76.2587, 72.4933**.

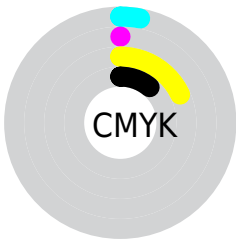
Distribution



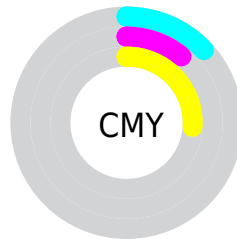
- Red (87%)
- Green (89%)
- Blue (74%)



- Red (74%)
- Yellow (89%)
- Blue (76%)



- Cyan (3%)
- Magenta (0%)
- Yellow (18%)
- Black (11%)



- Cyan (13%)
- Magenta (11%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 66.9447, 74.6472, 58.4569 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 66.9447, 74.6472, 58.4569 by changing the saturation by 10% instead.

■ 66.9447, 74.6472,
58.4569

■ 66.9447, 74.6472,
58.4569

439.1835,
476.7041, 436.5320

■ 49.3102, 55.3239,
41.7589

■ 113.8914,
125.8128, 104.1093

■ 35.0812, 39.6611,
28.5884

143.9343,
158.4240, 133.9007

■ 23.8922, 27.2744,
18.5268

178.8441,
196.2332, 168.8938

■ 15.3780, 17.7794,
11.1555

218.9861,
239.6248, 209.5070

■ 9.1731, 10.7917,
6.0561

264.7257,
288.9834, 256.1589

■ 4.9123, 5.9270,
2.8099

316.4282,

■ 2.2301, 2.8007,

344.6932, 309.2680

0.9984

374.4590,
407.1386, 369.2529

0.7585, 1.0286,
0.0000

0.0000, 0.0000,
0.0000

66.9447, 74.6472,
58.4569

66.9447, 74.6472,
58.4569

63.6415, 73.2085,
46.4698

70.6615, 76.2587,
72.4933

60.7277, 71.9256,
36.4315

74.8031, 78.0402,
88.6639

58.1855, 70.7937,
28.2402

79.1607, 79.9105,
105.8598

55.9933, 69.8042,
21.7827

80.2843, 80.4898,
105.9124

■ 54.1271, 68.9476,
16.9338

■ 81.4297, 81.0802,
105.9660

■ 52.5598, 68.2128,
13.5512

■ 82.5969, 81.6820,
106.0206

■ 51.2596, 67.5873,
11.4677

■ 83.7861, 82.2950,
106.0763

■ 50.1836, 67.0538,
10.4585

■ 84.9975, 82.9195,
106.1330

■ 49.9370, 66.9303,
10.2869

■ 86.2311, 83.5555,
106.1907

Harmonies

Analogous

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



71.8467, 74.6472, 56.5138



66.9447, 74.6472, 58.4569



63.2792, 74.6472, 66.1972

Triad

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



66.9447, 74.6472, 58.4569



65.4676, 74.6472, 106.2902



81.1128, 74.6472, 83.8627

Complementary

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



66.9447, 74.6472, 58.4569



54.2378, 53.0392, 80.7817

Split Complementary

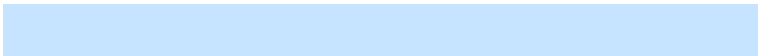
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



79.2168, 74.6472, 98.4913



66.9447, 74.6472, 58.4569



70.0606, 74.6472, 112.3893

Square

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



66.9447, 74.6472, 58.4569



62.4553, 74.6472, 93.5414



75.1118, 74.6472, 109.3783



80.1819, 74.6472, 70.1364

Rectangle

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



66.9447, 74.6472, 58.4569



61.9495, 74.6472, 74.1482



75.1118, 74.6472, 109.3783



80.7824, 74.6472, 88.8510

Sweetspot

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



66.9467, 74.6505, 58.4585



92.3640, 98.8447, 98.4122



60.3663, 58.7104, 55.7286



19.6913, 21.1231, 20.7609



0.0000, 0.0000, 0.0000



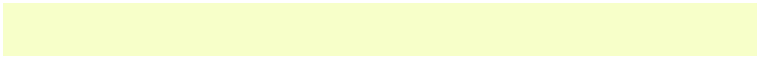
20.3446, 21.4041, 23.3091

Same Dimension

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



66.9467, 74.6505, 58.4585



84.7000, 95.5255, 69.5104



61.1802, 71.6777, 58.1886



15.3779, 16.7019, 15.3177



28.9141, 38.6873, 5.9435



2.1946, 2.8887, 0.4419

Inverse Universe

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



54.2378, 53.0392, 80.7817



65.4745, 62.8300, 103.2843



59.7208, 55.8657, 81.0383



13.7832, 13.9905, 18.1183



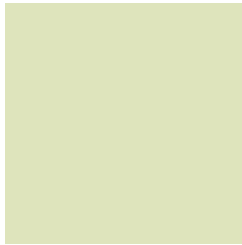
8.5327, 3.4647, 42.6022



0.6934, 0.2884, 3.1511

Previews

White Background



This preview shows how the XYZ color 66.9447, 74.6472, 58.4569 looks on a white background.

Color Contrast Check

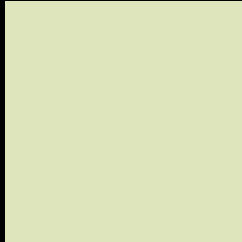
Large Text (above 18pt) WCAG AA × Fail

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 66.9447, 74.6472, 58.4569 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

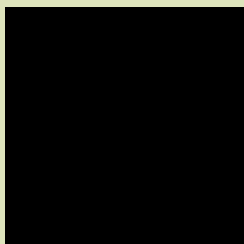
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

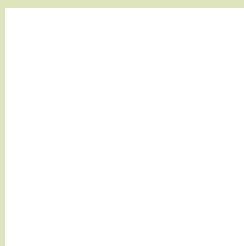
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 66.9447, 74.6472, 58.4569

Background



This preview shows how black text looks on a background with the XYZ color 66.9447, 74.6472, 58.4569.

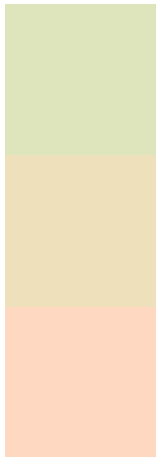


This preview shows how white text looks on a background with the XYZ color 66.9447, 74.6472,

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

66.9447, 74.6472, 58.4569

Protanopia

70.4436, 74.8610, 57.1912

Deuteranopia

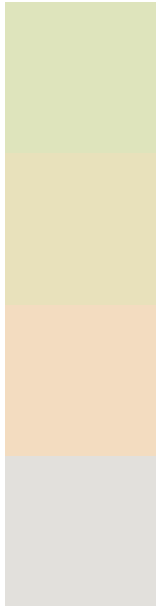
75.5335, 74.2668, 61.3928



Tritanopia

73.6022, 74.5440, 91.3981

Trichromacy



Original Color

66.9447, 74.6472, 58.4569

Protanomaly

69.1736, 74.5941, 57.7660

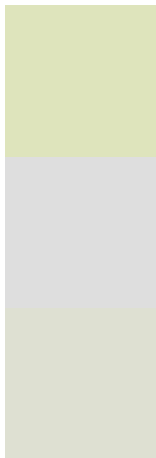
Deuteranomaly

72.0698, 74.0469, 60.3632

Tritanomaly

70.9380, 74.6474, 78.3797

Monochromacy



Original Color

66.9447, 74.6472, 58.4569

Achromatopsia

69.4303, 73.0461, 79.5472

Achromatomaly

68.4127, 73.4940, 71.5528

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.9447, 74.6472, 58.4569 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, 228, 188)` looks like.

```
.text, #text, p{  
    color:rgb(222, 228, 188)  
}
```

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, 228, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 228, 188) }
```

Border

The CSS property to change the border of an element to XYZ 66.9447, 74.6472, 58.4569 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, 228, 188) }
```


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

```
.border{ border-color:rgb(222, 228, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 228, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 228, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 228, 188);  
box-shadow:4px 4px 4px 4px rgb(222, 228,  
188) }
```

Background

The CSS property to change the background color of an element to XYZ 66.9447, 74.6472, 58.4569 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 228, 188) }
```

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

```
.background{ background-color: rgb(222,  
228, 188) }
```

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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