Converting Colors

XYZ(68.2842, 74.7028, 68.0904)

Have a look what the booklet for XYZ(68.2842, 74.7028, 68.0904) contains.

Color

XYZ(68.1870, 74.6700, 67.9456)

Conversions

Format	Color
Hex	DDE3CC
RGB	221, 227, 204
RGB Percent	87%, 89%, 80%
CMY	0.1333, 0.1098, 0.2000
CMYK	0.03, 0.00, 0.10, 0.11
HSL	76°, 29%, 85%
HSV	76°, 10%, 89%
XYZ	68.1870, 74.6700, 67.9456
YIQ	222.5840, 3.8070, -8.4250

Conversions Part 1

Conversions

Conversions Part 2

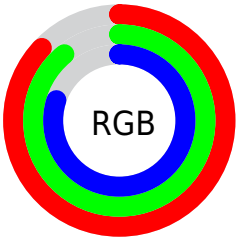
Format	Color
RYB	204, 227, 210
Decimal	14541772
CIELab	89.24, -6.01, 10.54
CIELCh	89, 12.131, 119.708
Yxy	74.6700, 0.3235, 0.3542
Android (android.graphics.Color)	4292731852 (0xFFDDE3CC)
YUV	222.5840, -9.1619, -1.3892
Hunter-Lab	86.4118, -10.3675, 13.8685

Details

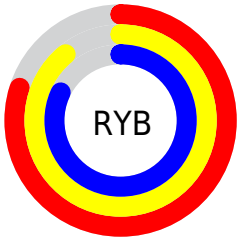
The XYZ color 68.1870, 74.6700, 67.9456 is a light color, and the websafe version is hex CCCCCC. A complement of this color would be 62.0392, 62.4354, 81.4585, and the grayscale version is 69.9069, 73.5475, 80.0933.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 35.9834, 39.8140, 34.6425 is the 20% darker color. If you saturate the color by 10%, you get 63.8887, 72.7484, 54.5528, and if you desaturate by 10%, it is 72.9500, 76.7897, 83.4348.

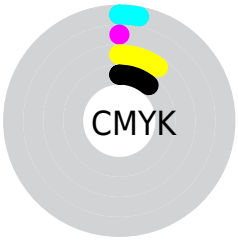
Distribution



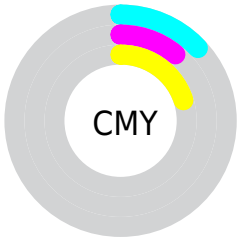
- Red (87%)
- Green (89%)
- Blue (80%)



- Red (80%)
- Yellow (89%)
- Blue (82%)



- Cyan (3%)
- Magenta (0%)
- Yellow (10%)
- Black (11%)



- Cyan (13%)
- Magenta (11%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.1870, 74.6700, 67.9456 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 68.1870, 74.6700, 67.9456 by changing the saturation by 10% instead.

68.1870, 74.6700, 67.9456

68.1870, 74.6700, 67.9456

443.5246, 476.7826, 471.8961

50.3241, 55.3426, 49.3871

115.6601, 125.8451, 117.9278

35.8898, 39.6761, 34.5589

146.0009, 158.4616, 150.1885

24.5189, 27.2861, 23.0424

181.2319, 196.2766, 187.8538

15.8458, 17.7882, 14.4192

221.7182, 239.6745, 231.3420

9.5052, 10.7980, 8.2708

267.8253, 289.0396, 281.0718

5.1319, 5.9312, 4.1784

319.9185,

2.3604, 2.8033,

344.7564, 337.4618

1.7237

378.3631, 407.2092, 400.9303

0.8253, 1.0299, 0.3769

0.0000, 0.0000, 0.0000

68.1870, 74.6700, 67.9456

68.1870, 74.6700, 67.9456

63.8887, 72.7484, 54.5528

72.9500, 76.7897, 83.4348

60.0312, 71.0079, 43.1614

78.1882, 79.1046, 101.1000

56.5975, 69.4441, 33.6764

81.0419, 80.4731, 105.8692

53.5672, 68.0489, 25.9932

83.0728, 81.5201, 105.9643

50.9178, 66.8130, 19.9971

85.1700, 82.6012, 106.0624

48.6242, 65.7265, 15.5603

86.7606, 83.4212, 106.1369

46.6581, 64.7778, 12.5367

44.9858, 63.9534, 10.7525

43.5667, 63.2390, 9.9102

Harmonies

Analogous

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

71.0006, 74.6700, 66.0618

68.1870, 74.6700, 67.9456

66.1677, 74.6700, 73.3517

Triad

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

68.1870, 74.6700, 67.9456

68.1380, 74.6700, 96.2122

76.8192, 74.6700, 81.3861

Complementary

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

68.1870, 74.6700, 67.9456

62.0392, 62.4354, 81.4585

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.

76.0026, 74.6700, 89.8090

68.1870, 74.6700, 67.9456

70.9426, 74.6700, 98.7245

Square

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

68.1870, 74.6700, 67.9456

66.1400, 74.6700, 89.6552

73.8310, 74.6700, 96.3053

76.0330, 74.6700, 73.4862

Rectangle

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

68.1870, 74.6700, 67.9456

65.5153, 74.6700, 78.4240

73.8310, 74.6700, 96.3053

76.7227, 74.6700, 84.2515

Sweetspot

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

68.1890, 74.6732, 67.9472

93.1118, 99.1403, 102.5076

65.5651, 66.6626, 66.5393

19.8209, 21.1718, 21.5845

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.

68.1890, 74.6732, 67.9472

87.6312, 96.7001, 84.8521

64.8778, 72.9663, 67.7923

15.2152, 16.6180, 15.3101

25.5216, 36.9383, 5.7847

1.9717, 2.7738, 0.4315

Inverse Universe

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

62.0392, 62.4354, 81.4585

78.2178, 77.9672, 105.5344

65.3555, 64.1450, 81.6137

13.9338, 14.0681, 18.1254

9.2397, 3.8291, 42.6353

0.7682, 0.3270, 3.1546

Previews

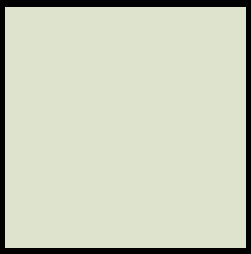
White Background

This preview shows how the XYZ color 68.1870, 74.6700, 67.9456 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



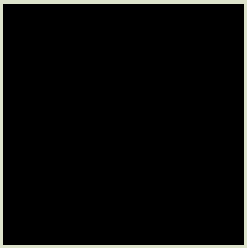
This preview shows how the XYZ color 68.1870, 74.6700, 67.9456 looks on a black background.

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 68.1870, 74.6700, 67.9456 Background



This preview shows how black text looks on a background with the XYZ color 68.1870, 74.6700, 67.9456.

This preview shows how white text looks on a background with the XYZ color 68.1870, 74.6700,

67.9456.

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
68.1870, 74.6700, 67.9456

Protanopia
70.6526, 74.3633, 66.5069

Deuteranopia
75.8413, 74.2634, 68.7295

Tritanopia
73.0653, 74.6433, 92.2180

Trichromacy

Original Color
68.1870, 74.6700, 67.9456

Protanomaly
69.7482, 74.2811, 67.1615

Deuteranomaly
72.8883, 74.2949, 68.2563

Tritanomaly
71.1236, 74.6496, 82.6117

Monochromacy

Original Color
68.1870, 74.6700, 67.9456

Achromatopsia
70.1384, 73.7910, 80.3584

Achromatomaly
69.1745, 73.7988, 75.5644

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.1870, 74.6700, 67.9456 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(221, 227, 204) looks like.

```
.text, #text, p{
    color:rgb(221, 227, 204)
}
```

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(221, 227, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 227, 204) }
```

Border

The CSS property to change the border of an element to XYZ 68.1870, 74.6700, 67.9456 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(221, 227, 204) }
```

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

```
.border{ border-color:rgb(221, 227, 204) }
```

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

Here you see how a box with a 4 pixel rgb(221, 227, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(221, 227, 204); -webkit-box-shadow:4px 4px 4px 4px rgb(221, 227, 204); box-shadow:4px 4px 4px 4px rgb(221, 227, 204) }
```

Background

The CSS property to change the background color of an element to XYZ 68.1870, 74.6700, 67.9456 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(221, 227, 204) }
```

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

```
.background{ background-color:rgb(221,
227, 204) }
```

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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