

Converting Colors

XYZ(67.3709, 75.3670, 69.9144)

Have a look what the booklet for
XYZ(67.3709, 75.3670, 69.9144)
contains.

XYZ(67.5836, 75.5457, 70.0512)	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(67.5836, 75.5457,
70.0512)**

Conversions

Conversions Part 1

Format	Color
Hex	D7E6CF
RGB	215, 230, 207
RGB Percent	84%, 90%, 81%
CMY	0.1569, 0.0980, 0.1882
CMYK	0.07, 0.00, 0.10, 0.10
HSL	99°, 32%, 86%
HSV	99°, 10%, 90%
XYZ	67.5836, 75.5457, 70.0512
YIQ	222.8930, -1.5570, -10.3330

Conversions

Conversions Part 2

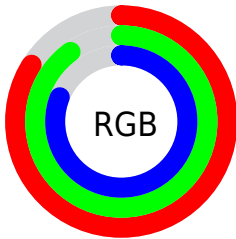
Format	Color
R _Y B	207, 230, 222
Decimal	14149327
CIE Lab	89.65, -9.10, 9.50
CIE LCh	90, 13.154, 133.789
Yxy	75.5457, 0.3170, 0.3544
Android (android.graphics.Color)	4292339407 (0xFFD7E6CF)
YUV	222.8930, -7.8352, -6.9222
Hunter-Lab	86.9170, -13.3095, 13.0569

Details

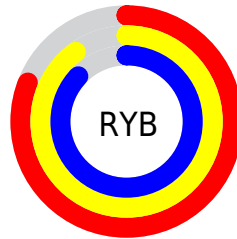
The XYZ color **67.5836, 75.5457, 70.0512** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **66.7230, 65.8705, 84.0645**, and the grayscale version is **70.1197, 73.7714, 80.3371**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.5769, 40.4334, 36.0663** is the 20% darker color. If you saturate the color by 10%, you get **60.7693, 72.3366, 56.1075**, and if you desaturate by 10%, it is **75.2158, 79.1335, 86.1746**.

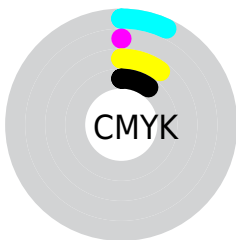
Distribution



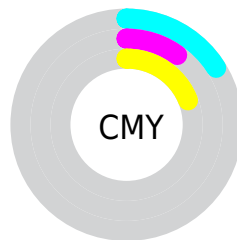
- Red (84%)
- Green (90%)
- Blue (81%)



- Red (81%)
- Yellow (90%)
- Blue (87%)



- Cyan (7%)
- Magenta (0%)
- Yellow (10%)
- Black (10%)



- Cyan (16%)
- Magenta (10%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.5836, 75.5457, 70.0512 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 67.5836, 75.5457, 70.0512 by changing the saturation by 10% instead.

67.5836, 75.5457,
70.0512

67.5836, 75.5457,
70.0512

441.4192,
479.7911, 479.5237

49.8315, 56.0601,
51.0912

114.8014,
127.0845, 120.9636

35.4968, 40.2511,
35.9040

144.9979,
159.9065, 153.7530

24.2141, 27.7344,
24.0709

180.0731,
197.9427, 191.9894

15.6181, 18.1255,
15.1736

220.3926,
241.5776, 236.0912

9.3435, 11.0401,
8.7933

266.3215,
291.1954, 286.4770

5.0248, 6.0938,
4.5116

318.2254,

2.2967, 2.9022,

347.1807, 343.5653

1.9100

376.4695,
409.9178, 407.7747

■ 0.7930, 1.0809,
0.4991

■ 0.0000, 0.0000,
0.0000

■ 67.5836, 75.5457,
70.0512

■ 67.5836, 75.5457,
70.0512

■ 60.7693, 72.3366,
56.1075

■ 75.2158, 79.1335,
86.1746

■ 54.7382, 69.4837,
44.2452

■ 83.6865, 83.1021,
104.5604

■ 49.4621, 66.9770,
34.3657

■ 87.5883, 85.0766,
106.4128

■ 44.9089, 64.8022,
26.3607

■ 41.0436, 62.9439,
20.1112

■ 37.8281, 61.3853,
15.4848

■ 35.2200, 60.1079,
12.3303

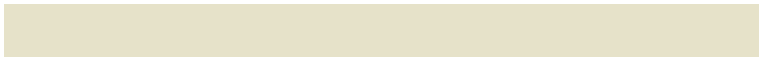
■ 33.1705, 59.0905,
10.4678

■ 31.6051, 58.3014,
9.5875

Harmonies

Analogous

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



70.3311, 75.5457, 66.1353



67.5836, 75.5457, 70.0512



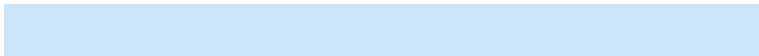
65.9933, 75.5457, 77.3811

Triad

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



67.5836, 75.5457, 70.0512



70.0808, 75.5457, 100.5819



78.0180, 75.5457, 78.0818

Complementary

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



67.5836, 75.5457, 70.0512



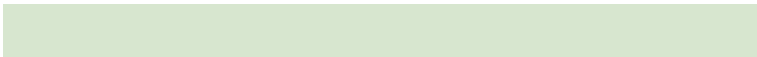
66.7230, 65.8705, 84.0645

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.



77.9460, 75.5457, 87.3323



67.5836, 75.5457, 70.0512



73.2972, 75.5457, 100.8050

Square

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



67.5836, 75.5457, 70.0512



67.4051, 75.5457, 95.2145



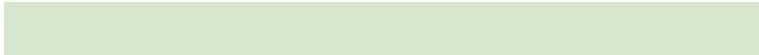
76.1964, 75.5457, 95.8029



76.3900, 75.5457, 70.5309

Rectangle

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



67.5836, 75.5457, 70.0512



65.7725, 75.5457, 83.4396



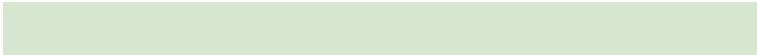
76.1964, 75.5457, 95.8029



78.1932, 75.5457, 81.0845

Sweetspot

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



67.5857, 75.5490, 70.0528



92.0306, 98.5829, 102.4570



70.0066, 73.5471, 69.5389



19.5291, 21.0213, 21.5708



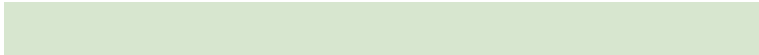
0.0000, 0.0000, 0.0000



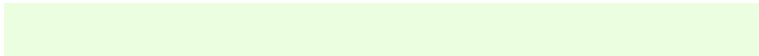
20.3446, 21.4041, 23.3091

Same Dimension

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



67.5857, 75.5490, 70.0528



83.5434, 94.5927, 84.6608



65.7202, 74.5380, 72.1921



14.6596, 16.3316, 15.2841



18.0112, 33.0666, 5.4332



1.4284, 2.4937, 0.4061

Inverse Universe

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



66.7230, 65.8705, 84.0645



82.2462, 80.0440, 105.7229



68.7519, 66.9719, 81.6546



14.4831, 14.3513, 18.1511



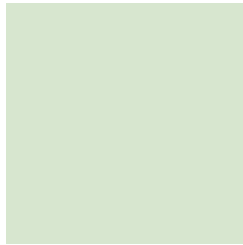
15.3456, 6.9769, 42.9210



1.2333, 0.5667, 3.1764

Previews

White Background



This preview shows how the XYZ color 67.5836, 75.5457, 70.0512 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 67.5836, 75.5457, 70.0512 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

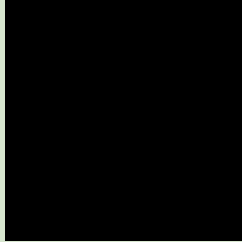
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

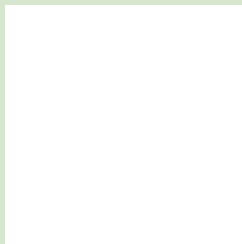
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 67.5836, 75.5457, 70.0512

Background



This preview shows how black text looks on a background with the XYZ color 67.5836, 75.5457, 70.0512.



This preview shows how white text looks on a background with the XYZ color 67.5836, 75.5457,

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

67.5836, 75.5457, 70.0512

Protanopia

71.4864, 75.1634, 67.8670

Deuteranopia

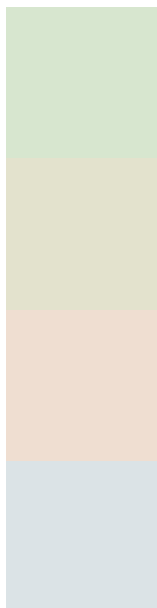
76.9537, 75.1615, 71.4245



Tritanopia

72.9217, 75.6936, 95.5610

Trichromacy



Original Color

67.5836, 75.5457, 70.0512

Protanomaly

69.8944, 75.1314, 68.5756

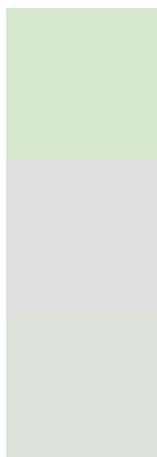
Deuteranomaly

73.2265, 75.1967, 70.9766

Tritanomaly

70.9654, 75.7114, 85.7364

Monochromacy



Original Color

67.5836, 75.5457, 70.0512

Achromatopsia

70.1384, 73.7910, 80.3584

Achromatomaly

69.2359, 74.6181, 76.3993

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.5836, 75.5457, 70.0512 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, 230, 207) looks like.

```
.text, #text, p{  
    color:rgb(215, 230, 207)  
}
```

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, 230, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 230, 207) }
```

Border

The CSS property to change the border of an element to XYZ 67.5836, 75.5457, 70.0512 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, 230, 207) }
```


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

```
.border{ border-color:rgb(215, 230, 207) }
```

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

Here you see how a box with a 4 pixel rgb(215, 230, 207) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 230, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 230, 207);  
box-shadow:4px 4px 4px 4px rgb(215, 230,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 67.5836, 75.5457, 70.0512 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 230, 207) }
```

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

```
.background{ background-color: rgb(215,  
230, 207) }
```

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