

# Converting Colors

XYZ(67.6765, 75.1999, 64.6463)

Have a look what the booklet for  
XYZ(67.6765, 75.1999, 64.6463)  
contains.

<b>XYZ(67.7276, 75.3315, 64.3969)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(67.7276, 75.3315,  
64.3969)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DCE5C6
RGB	220, 229, 198
RGB Percent	86%, 90%, 78%
CMY	0.1373, 0.1019, 0.2235
CMYK	0.04, 0.00, 0.14, 0.10
HSL	77°, 37%, 84%
HSV	77°, 14%, 90%
XYZ	67.7276, 75.3315, 64.3969
YIQ	222.7750, 4.5870, -11.5490

# Conversions

## Conversions Part 2

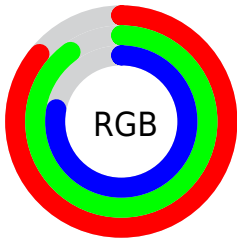
<b>Format</b>	<b>Color</b>
<b>RYB</b>	198, 229, 207
Decimal	14476742
CIELab	89.55, -8.35, 14.10
CIELCh	90, 16.389, 120.649
Yxy	75.3315, 0.3265, 0.3631
Android (android.graphics.Color)	4292666822 (0xFFDCE5C6)
YUV	222.7750, -12.2141, -2.4337
Hunter-Lab	86.7937, -12.6004, 16.7652

# Details

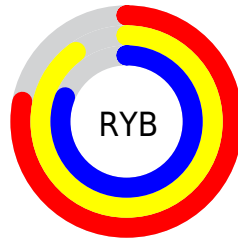
The XYZ color **67.7276, 75.3315, 64.3969** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **60.0720, 59.3127, 82.4151**, and the grayscale version is **70.0630, 73.7117, 80.2720**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.6871, 40.2851, 32.2804** is the 20% darker color. If you saturate the color by 10%, you get **63.3109, 73.3393, 51.4287**, and if you desaturate by 10%, it is **72.6279, 77.5313, 79.4756**.

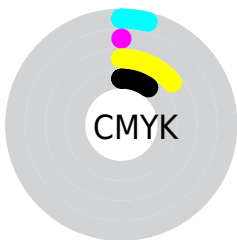
# Distribution



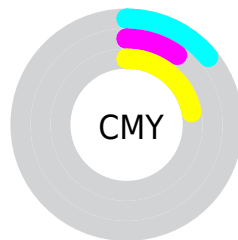
- Red (86%)
- Green (90%)
- Blue (78%)



- Red (78%)
- Yellow (90%)
- Blue (81%)



- Cyan (4%)
- Magenta (0%)
- Yellow (14%)
- Black (10%)



- Cyan (14%)
- Magenta (10%)
- Yellow (22%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 67.7276, 75.3315, 64.3969 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 67.7276, 75.3315, 64.3969 by changing the saturation by 10% instead.



67.7276, 75.3315,  
64.3969

67.7276, 75.3315,  
64.3969

441.9222,  
479.0562, 458.8683

49.9490, 55.8845,  
46.5240

115.0064,  
126.7815, 112.7873

35.5905, 40.1103,  
32.3079

145.2374,  
159.5533, 144.1419

24.2868, 27.6246,  
21.3300

180.3498,  
197.5355, 180.8274

15.6724, 18.0429,  
13.1718

220.7092,  
241.1125, 223.2624

9.3820, 10.9808,  
7.4149

266.6807,  
290.6687, 271.8654

5.0503, 6.0539,  
3.6405

318.6298,

2.3118, 2.8779,

346.5884, 327.0551

1.4303

376.9218,  
409.2561, 389.2498

■ 0.8007, 1.0683,  
0.1652

■ 0.0000, 0.0000,  
0.0000

■ 67.7276, 75.3315,  
64.3969

■ 67.7276, 75.3315,  
64.3969

■ 63.3109, 73.3393,  
51.4287

■ 72.6279, 77.5313,  
79.4756

■ 59.3529, 71.5374,  
40.4719

■ 78.0234, 79.9360,  
96.7481

■ 55.8356, 69.9206,  
31.4268

■ 81.9904, 81.7789,  
106.0713

■ 52.7369, 68.4803,  
24.1834

■ 84.2895, 82.9641,  
106.1789

■ 50.0330, 67.2067,  
18.6202

■ 86.6721, 84.1924,  
106.2904

■ 47.6969, 66.0890,  
14.6010

■ 87.3108, 84.5217,  
106.3203

■ 45.6978, 65.1146,  
11.9681

■ 43.9983, 64.2686,  
10.5305

■ 43.0220, 63.7751,  
10.0423

# Harmonies

## Analogous

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



71.5127, 75.3315, 61.7991



67.7276, 75.3315, 64.3969



65.0651, 75.3315, 71.6333

# Triad

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



67.7276, 75.3315, 64.3969



67.8741, 75.3315, 102.8957



79.6199, 75.3315, 81.7723

# Complementary

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



67.7276, 75.3315, 64.3969



60.0720, 59.3127, 82.4151

# 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.



78.5591, 75.3315, 93.3721



67.7276, 75.3315, 64.3969



71.6881, 75.3315, 106.2384

# Square

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



67.7276, 75.3315, 64.3969



65.1475, 75.3315, 93.8472



75.6179, 75.3315, 102.6038



78.4658, 75.3315, 71.2365



# Rectangle

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



67.7276, 75.3315, 64.3969



64.2333, 75.3315, 78.4750



75.6179, 75.3315, 102.6038



79.5102, 75.3315, 85.6768

# Sweetspot

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



67.7296, 75.3348, 64.3985



92.3694, 98.8028, 100.4287



64.7692, 65.2583, 62.6096



19.6654, 21.1007, 21.1657



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

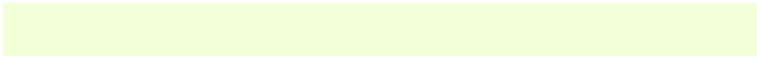


# Same Dimension

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



67.7296, 75.3348, 64.3985



84.9373, 95.4667, 77.7026



63.3136, 73.0582, 64.1919



15.1725, 16.5960, 15.3081



24.7217, 36.5260, 5.7473



1.9180, 2.7461, 0.4290



# Inverse Universe

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



60.0720, 59.3127, 82.4151



73.5268, 71.5912, 104.5509



64.5506, 61.6216, 82.6247



13.9741, 14.0889, 18.1272



9.4942, 3.9603, 42.6472

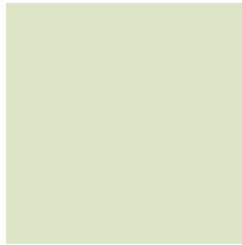


0.7915, 0.3390, 3.1557



# Previews

## White Background



This preview shows how the XYZ color 67.7276, 75.3315, 64.3969 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

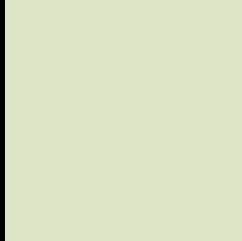
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 67.7276, 75.3315, 64.3969 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

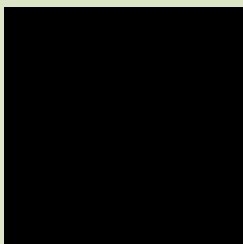
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

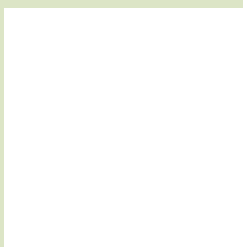
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 67.7276, 75.3315, 64.3969**

## **Background**



This preview shows how black text looks on a background with the XYZ color 67.7276, 75.3315, 64.3969.



This preview shows how white text looks on a background with the XYZ color 67.7276, 75.3315,



# 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

67.7276, 75.3315, 64.3969

### Protanopia

71.2115, 75.1297, 62.9728

### Deuteranopia

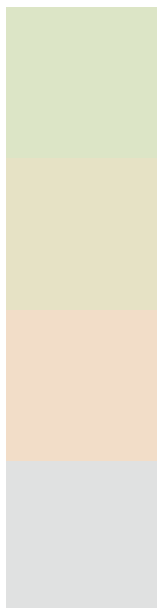
76.5955, 75.1028, 65.7176



## **Tritanopia**

73.6289, 75.2950, 93.8718

# Trichromacy



## Original Color

67.7276, 75.3315, 64.3969

## Protanomaly

69.9075, 75.2469, 63.6629

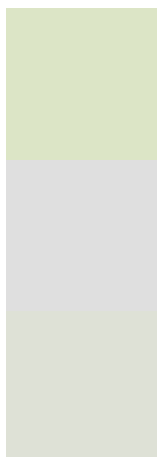
## Deuteranomaly

72.8997, 74.7603, 65.2315

## Tritanomaly

71.2563, 75.1340, 81.9809

# Monochromacy



## Original Color

67.7276, 75.3315, 64.3969

## Achromatopsia

70.1384, 73.7910, 80.3584

## Achromatomaly

69.1870, 74.2351, 74.3006

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 67.7276, 75.3315, 64.3969 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(220, 229, 198)` looks like.

```
.text, #text, p{  
    color:rgb(220, 229, 198)  
}
```

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(220, 229, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 229, 198) }
```

## Border

The CSS property to change the border of an element to XYZ 67.7276, 75.3315, 64.3969 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(220, 229, 198) }
```



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

```
.border{ border-color:rgb(220, 229, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 229, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(220, 229, 198); -webkit-box-shadow:4px 4px 4px 4px rgb(220, 229, 198); box-shadow:4px 4px 4px 4px rgb(220, 229, 198) }
```

# Background

The CSS property to change the background color of an element to XYZ 67.7276, 75.3315, 64.3969 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 229, 198) }
```

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

```
.background{ background-color: rgb(220,  
229, 198) }
```

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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