

# Converting Colors

XYZ(67.3140, 78.1557, 60.2529)

Have a look what the booklet for  
XYZ(67.3140, 78.1557, 60.2529)  
contains.

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# Color

**XYZ(67.3140, 78.1557,  
60.2529)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D7ECBE
RGB	215, 236, 190
RGB Percent	84%, 93%, 75%
CMY	0.1569, 0.0745, 0.2549
CMYK	0.09, 0.00, 0.19, 0.07
HSL	87°, 55%, 84%
HSV	87°, 19%, 93%
XYZ	67.3140, 78.1557, 60.2529
YIQ	224.4770, 2.2500, -18.7580

# Conversions

## Conversions Part 2

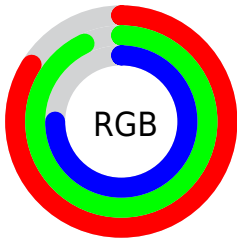
Format	Color
<b>RYB</b>	190, 236, 211
Decimal	14150846
CIELab	90.85, -14.88, 20.03
CIElCh	91, 24.951, 126.615
Yxy	78.1557, 0.3272, 0.3799
Android (android.graphics.Color)	4292340926 (0xFFD7ECBE)
YUV	224.4770, -16.9972, -8.3113
Hunter-Lab	88.4057, -18.7963, 21.4749

# Details

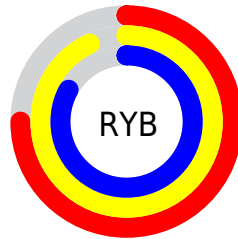
The XYZ color **67.3140, 78.1557, 60.2529** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **60.4210, 56.7341, 87.1274**, and the grayscale version is **71.3114, 75.0252, 81.7024**.

A 20% lighter version of the original color is **93.6346, 99.4338, 101.4464**, and **35.2624, 41.8937, 29.5203** is the 20% darker color. If you saturate the color by 10%, you get **61.8804, 75.6312, 47.6066**, and if you desaturate by 10%, it is **73.3779, 80.9615, 75.1122**.

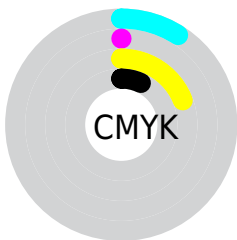
# Distribution



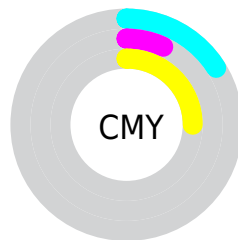
- Red (84%)
- Green (93%)
- Blue (75%)



- Red (75%)
- Yellow (93%)
- Blue (83%)



- Cyan (9%)
- Magenta (0%)
- Yellow (19%)
- Black (7%)




- Cyan (16%)
- Magenta (7%)
- Yellow (25%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 67.3140, 78.1557, 60.2529 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 67.3140, 78.1557, 60.2529 by changing the saturation by 10% instead.





 67.3140, 78.1557,  
60.2529

 67.3140, 78.1557,  
60.2529


440.4766,  
488.6954, 443.3598

 49.6115, 58.2019,  
43.1959


 114.4175,  
130.7696, 106.7434

 35.3213, 41.9710,  
29.7063


144.5493,  
164.1985, 137.0140

 24.0782, 29.0786,  
19.3656

179.5548,  
202.8878, 172.5261

 15.5167, 19.1403,  
11.7553

219.7994,  
247.2220, 213.6984

 9.2715, 11.7717,  
6.4568

265.6486,  
297.5855, 260.9494

 4.9772, 6.5884,  
3.0515


317.4676,


 2.2685, 3.2061,


354.3626, 314.6976


1.1210


375.6218,  
417.9378, 375.3616


 0.7785, 1.2402,  
0.0000


 0.0000, 0.0942,  
0.0000


 67.3140, 78.1557,  
60.2529


 67.3140, 78.1557,  
60.2529

 61.8804, 75.6312,  
47.6066


 73.3779, 80.9615,  
75.1122


 57.0469, 73.3678,  
37.0623

 80.0886, 84.0480,  
92.2782

 52.7896, 71.3581,  
28.5071

 86.5207, 87.0480,  
106.8496

 49.0807, 69.5903,  
21.8154

 89.2871, 88.4741,  
106.9790

■ 45.8892, 68.0517,  
16.8474

■ 43.1802, 66.7277,  
13.4435

■ 40.9132, 65.6016,  
11.4143

■ 39.0256, 64.6478,  
10.4558

■ 38.9364, 64.6025,  
10.4174

# Harmonies

## Analogous

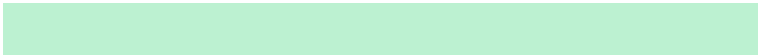
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



72.9025, 78.1557, 55.1657



67.3140, 78.1557, 60.2529



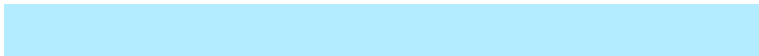
63.7452, 78.1557, 72.0992

# Triad

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



67.3140, 78.1557, 60.2529



69.5951, 78.1557, 120.9432



86.9343, 78.1557, 81.1769

# Complementary

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



67.3140, 78.1557, 60.2529



60.4210, 56.7341, 87.1274

# Split Complementary

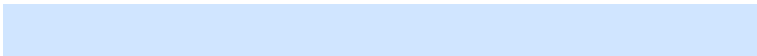
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.9262, 78.1557, 99.5728



67.3140, 78.1557, 60.2529



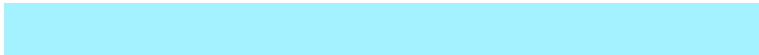
75.6841, 78.1557, 124.2724

# Square

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



67.3140, 78.1557, 60.2529



65.0094, 78.1557, 107.4316



81.7206, 78.1557, 115.9777



84.4027, 78.1557, 66.0967



# Rectangle

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



67.3140, 78.1557, 60.2529



62.8727, 78.1557, 83.0730



81.7206, 78.1557, 115.9777



87.0002, 78.1557, 87.1562

# Sweetspot

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



67.3161, 78.1591, 60.2546



90.1600, 97.7525, 96.3208



67.1091, 67.9930, 58.3032



19.1877, 20.8723, 20.3367



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

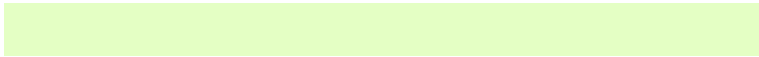


# Same Dimension

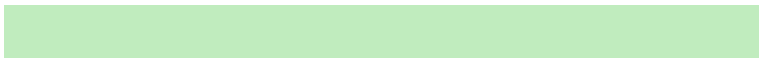
The Same Dimension uses a secret algorithm to generate beautiful new colors.



67.3161, 78.1591, 60.2546



77.8287, 92.0516, 66.0994



61.1064, 74.9579, 59.9640



15.6505, 17.2654, 16.0264



21.6126, 35.6862, 5.7490



1.8078, 2.8593, 0.4566



# Inverse Universe

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



60.4210, 56.7341, 87.1274



68.3402, 62.5664, 103.0824



67.3901, 60.3268, 87.4536



14.8846, 14.8858, 19.0110



11.8835, 5.1621, 44.1130

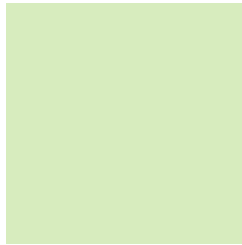


1.0428, 0.4619, 3.4691



# Previews

## White Background



This preview shows how the XYZ color 67.3140, 78.1557, 60.2529 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

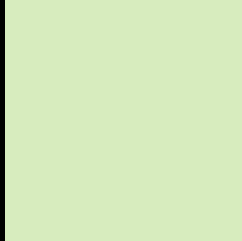
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 67.3140, 78.1557, 60.2529 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

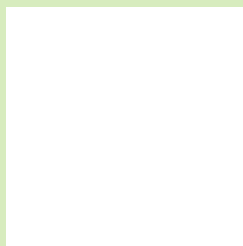
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 67.3140, 78.1557, 60.2529**

## **Background**



This preview shows how black text looks on a background with the XYZ color 67.3140, 78.1557, 60.2529.



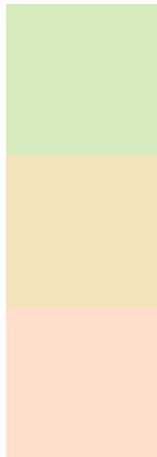
This preview shows how white text looks on a background with the XYZ color 67.3140, 78.1557,



# 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

67.3140, 78.1557, 60.2529

### Protanopia

73.2243, 77.9092, 57.6330

### Deuteranopia

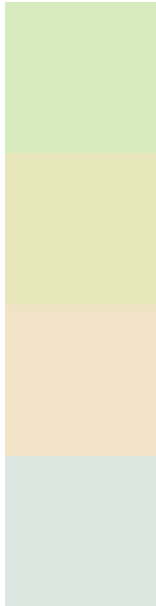
78.1408, 77.8143, 67.4011



## Tritanopia

74.8094, 77.8286, 98.2683

# Trichromacy



## Original Color

67.3140, 78.1557, 60.2529

## Protanomaly

70.8243, 77.8955, 58.3162

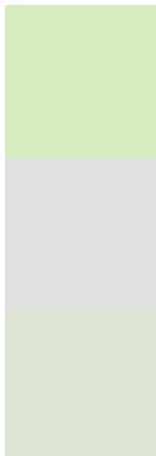
## Deuteranomaly

73.5973, 77.5407, 64.5139

## Tritanomaly

71.8186, 77.8585, 83.1944

# Monochromacy



## Original Color

67.3140, 78.1557, 60.2529

## Achromatopsia

70.8507, 74.5404, 81.1745

## Achromatomaly

69.4459, 75.6124, 73.2218

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 67.3140, 78.1557, 60.2529 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, 236, 190) looks like.

```
.text, #text, p{  
    color:rgb(215, 236, 190)  
}
```

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, 236, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 236, 190) }
```

## Border

The CSS property to change the border of an element to XYZ 67.3140, 78.1557, 60.2529 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, 236, 190) }
```



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

```
.border{ border-color:rgb(215, 236, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 236, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 236, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 236, 190);  
box-shadow:4px 4px 4px 4px rgb(215, 236,  
190) }
```

# Background

The CSS property to change the background color of an element to XYZ 67.3140, 78.1557, 60.2529 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 236, 190) }
```

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

```
.background{ background-color: rgb(215,  
236, 190) }
```

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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