

Converting Colors

XYZ(66.8749, 77.6759, 63.9115)

Have a look what the booklet for
XYZ(66.8749, 77.6759, 63.9115)
contains.

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Color

**XYZ(66.8232, 77.8253,
63.7244)**

Conversions

Conversions Part 1

Format	Color
Hex	D3ECC4
RGB	211, 236, 196
RGB Percent	83%, 93%, 77%
CMY	0.1725, 0.0745, 0.2314
CMYK	0.11, 0.00, 0.17, 0.07
HSL	98°, 51%, 85%
HSV	98°, 17%, 93%
XYZ	66.8232, 77.8253, 63.7244
YIQ	223.9650, -2.0600, -17.7400

Conversions

Conversions Part 2

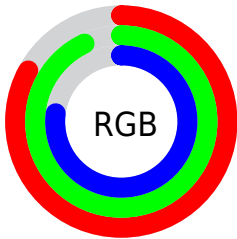
Format	Color
R _{YB}	196, 236, 221
Decimal	13888708
CIE Lab	90.70, -15.32, 16.67
CIE LCh	91, 22.641, 132.575
Yxy	77.8253, 0.3207, 0.3735
Android (android.graphics.Color)	4292078788 (0xFFD3ECC4)
YUV	223.9650, -13.7867, -11.3703
Hunter-Lab	88.2186, -19.1738, 18.9252

Details

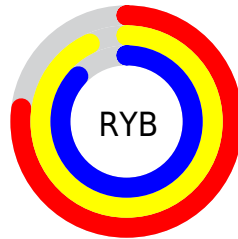
The XYZ color **66.8232, 77.8253, 63.7244** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **64.7022, 60.9103, 87.7077**, and the grayscale version is **70.9248, 74.6184, 81.2594**.

A 20% lighter version of the original color is **94.7296, 99.8718, 107.2129**, and **34.9140, 41.6634, 31.7929** is the 20% darker color. If you saturate the color by 10%, you get **60.3119, 74.7572, 50.4830**, and if you desaturate by 10%, it is **74.1492, 81.2691, 79.2129**.

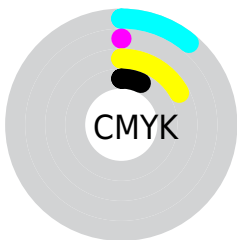
Distribution



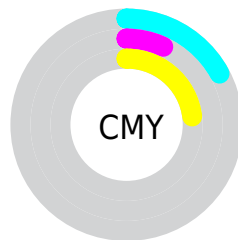
- Red (83%)
- Green (93%)
- Blue (77%)



- Red (77%)
- Yellow (93%)
- Blue (87%)



- Cyan (11%)
- Magenta (0%)
- Yellow (17%)
- Black (7%)



- Cyan (17%)
- Magenta (7%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 66.8232, 77.8253, 63.7244 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 66.8232, 77.8253, 63.7244 by changing the saturation by 10% instead.

■ 66.8232, 77.8253,
63.7244

■ 66.8232, 77.8253,
63.7244

438.7576,
487.5733, 456.3738

■ 49.2111, 57.9305,
45.9827

113.7182,
130.3038, 111.8096

■ 35.0022, 41.7528,
31.8836

143.7319,
163.6563, 142.9902

■ 23.8311, 28.9077,
21.0085

178.6102,
202.2635, 179.4875

■ 15.3324, 19.0110,
12.9389

218.7184,
246.5097, 221.7201

■ 9.1409, 11.6783,
7.2563

264.4218,
296.7794, 270.1065

■ 4.8910, 6.5250,
3.5420

316.0860,

■ 2.2176, 3.1669,

353.4570, 325.0652

1.3776

374.0761,
416.9268, 387.0148

■ 0.7520, 1.2195,
0.1242

■ 0.0000, 0.0775,
0.0000

■ 66.8232, 77.8253,
63.7244

■ 66.8232, 77.8253,
63.7244

■ 60.3119, 74.7572,
50.4830

■ 74.1492, 81.2691,
79.2129

■ 54.5789, 72.0416,
39.3793

■ 82.3120, 85.0910,
97.0408

■ 49.5942, 69.6677,
30.3025

■ 89.2870, 88.4740,
106.9790

■ 45.3233, 67.6202,
23.1298

■ 41.7285, 65.8830,
17.7250

■ 38.7680, 64.4376,
13.9337

■ 36.3943, 63.2637,
11.5754

■ 34.5494, 62.3363,
10.4179

■ 34.0679, 62.0926,
10.1895

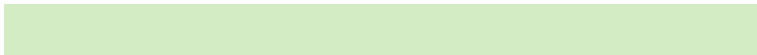
Harmonies

Analogous

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



71.6176, 77.8253, 57.7238



66.8232, 77.8253, 63.7244



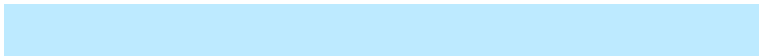
64.0296, 77.8253, 75.7106

Triad

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



66.8232, 77.8253, 63.7244



70.7472, 77.8253, 118.2313



85.1533, 77.8253, 78.1079

Complementary

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



66.8232, 77.8253, 63.7244



64.7022, 60.9103, 87.7077

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.



84.8908, 77.8253, 94.4570



66.8232, 77.8253, 63.7244



76.3746, 77.8253, 119.0890

Square

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



66.8232, 77.8253, 63.7244



66.2142, 77.8253, 107.7166



81.6103, 77.8253, 109.9286



82.3103, 77.8253, 65.2852

Rectangle

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



66.8232, 77.8253, 63.7244



63.5853, 77.8253, 86.1518



81.6103, 77.8253, 109.9286



85.4293, 77.8253, 83.3408

Sweetspot

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



66.8253, 77.8287, 63.7261



90.1931, 97.7255, 98.3106



70.3275, 73.3586, 62.6787



19.1633, 20.8509, 20.7362



0.0000, 0.0000, 0.0000



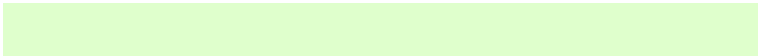
20.3446, 21.4041, 23.3091

Same Dimension

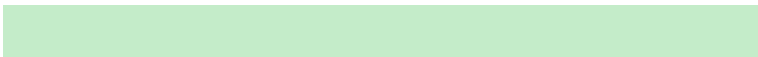
The Same Dimension uses a secret algorithm to generate beautiful new colors.



66.8253, 77.8287, 63.7261



77.1281, 91.5870, 70.7397



63.2662, 75.9315, 66.3762



15.4019, 17.1372, 16.0148



18.9098, 34.2928, 5.6225



1.5884, 2.7462, 0.4463

Inverse Universe

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



64.7022, 60.9103, 87.7077



74.1944, 68.2177, 103.8646



68.8059, 63.1032, 84.4058



15.1358, 15.0153, 19.0227



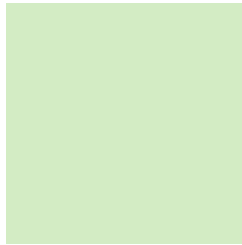
15.1771, 6.8600, 44.2672



1.2977, 0.5933, 3.4810

Previews

White Background



This preview shows how the XYZ color 66.8232, 77.8253, 63.7244 looks on a white background.

Color Contrast Check

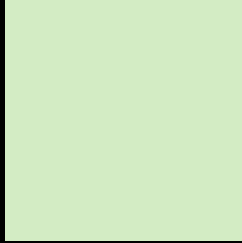
Large Text (above 18pt) WCAG AA × Fail

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 66.8232, 77.8253, 63.7244 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

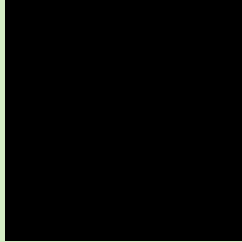
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

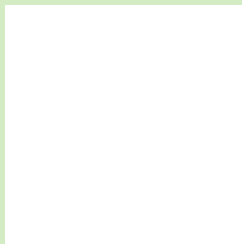
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 66.8232, 77.8253, 63.7244

Background



This preview shows how black text looks on a background with the XYZ color 66.8232, 77.8253, 63.7244.



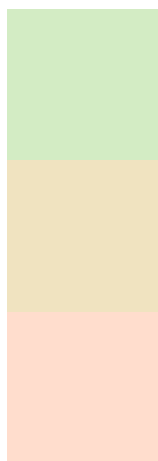
This preview shows how white text looks on a background with the XYZ color 66.8232, 77.8253,

63.7244.

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

66.8232, 77.8253, 63.7244

Protanopia

72.9187, 77.2692, 60.9404

Deuteranopia

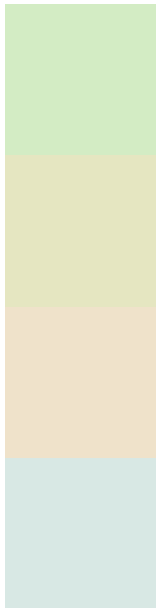
78.1159, 77.3807, 68.5764



Tritanopia

74.0212, 77.8141, 99.1140

Trichromacy



Original Color

66.8232, 77.8253, 63.7244

Protanomaly

70.2356, 77.1019, 61.6324

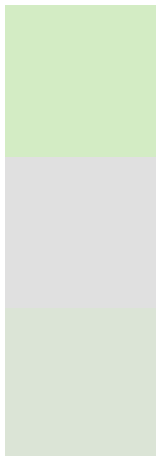
Deuteranomaly

73.4536, 77.0077, 66.8697

Tritanomaly

71.1791, 77.9136, 84.6861

Monochromacy



Original Color

66.8232, 77.8253, 63.7244

Achromatopsia

70.8507, 74.5404, 81.1745

Achromatomaly

69.0944, 75.4019, 74.5307

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.8232, 77.8253, 63.7244 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(211, 236, 196)` looks like.

```
.text, #text, p{  
    color:rgb(211, 236, 196)  
}
```

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(211, 236, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 236, 196) }
```

Border

The CSS property to change the border of an element to XYZ 66.8232, 77.8253, 63.7244 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(211, 236, 196) }
```


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

```
.border{ border-color:rgb(211, 236, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 236, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 236, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 236, 196);  
box-shadow:4px 4px 4px 4px rgb(211, 236,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 66.8232, 77.8253, 63.7244 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 236, 196) }
```

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

```
.background{ background-color: rgb(211,  
236, 196) }
```

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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