

Converting Colors

XYZ(72.8696, 83.3328, 77.7728)

Have a look what the booklet for
XYZ(72.8696, 83.3328, 77.7728)
contains.

XYZ(72.8918, 83.2657, 77.8757)	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(72.8918, 83.2657,
77.8757)**

Conversions

Conversions Part 1

Format	Color
Hex	D9F2D9
RGB	217, 242, 217
RGB Percent	85%, 95%, 85%
CMY	0.1490, 0.0510, 0.1490
CMYK	0.10, 0.00, 0.10, 0.05
HSL	120°, 49%, 90%
HSV	120°, 10%, 95%
XYZ	72.8918, 83.2657, 77.8757
YIQ	231.6750, -6.8750, -13.0750

Conversions

Conversions Part 2

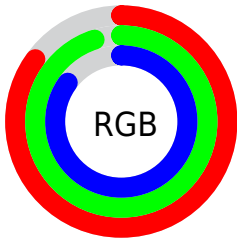
Format	Color
R _Y B	217, 242, 242
Decimal	14283481
CIE Lab	93.13, -12.72, 9.30
CIE LCh	93, 15.758, 143.843
Yxy	83.2657, 0.3115, 0.3558
Android (android.graphics.Color)	4292473561 (0xFFD9F2D9)
YUV	231.6750, -7.2348, -12.8700
Hunter-Lab	91.2500, -17.0993, 13.2750

Details

The XYZ color **72.8918, 83.2657, 77.8757** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **77.4608, 74.9158, 94.3860**, and the grayscale version is **76.5168, 80.5016, 87.6662**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.9808, 45.4078, 40.8925** is the 20% darker color. If you saturate the color by 10%, you get **63.2989, 78.6602, 62.1828**, and if you desaturate by 10%, it is **84.0058, 88.6068, 96.0527**.

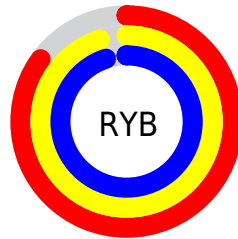
Distribution



Red (85%)

Green (95%)

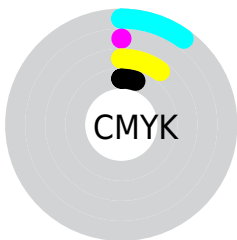
Blue (85%)



Red (85%)

Yellow (95%)

Blue (95%)

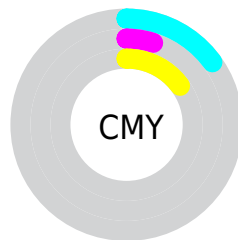


Cyan (10%)

Magenta (0%)

Yellow (10%)

Black (5%)



Cyan (15%)

Magenta (5%)

Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 72.8918, 83.2657, 77.8757 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 72.8918, 83.2657, 77.8757 by changing the saturation by 10% instead.

72.8918, 83.2657,
77.8757

72.8918, 83.2657,
77.8757

459.7493,
505.8716, 507.2613

54.1756, 62.4094,
57.4560

122.3276,
137.9475, 132.1592

38.9733, 45.3636,
40.9597

153.7778,
172.5418, 166.8600

26.9196, 31.7439,
27.9681

190.2034,
212.4842, 207.1584

17.6491, 21.1659,
18.0628

231.9697,
258.1591, 253.4728

10.7965, 13.2454,
10.8252

279.4421,
309.9509, 306.2217

5.9964, 7.5977,
5.8367

332.9859,

2.8836, 3.8386,

368.2440, 365.8238

2.6789

392.9665,
433.4228, 432.6974

■ 1.0925, 1.5837,
0.9328

■ 0.0188, 0.3466,
0.0000

■ 72.8918, 83.2657,
77.8757

■ 72.8918, 83.2657,
77.8757

■ 63.2989, 78.6602,
62.1828

■ 84.0058, 88.6068,
96.0527

■ 55.1544, 74.7480,
48.8610

■ 91.0437, 91.9875,
107.5646

■ 48.3901, 71.4987,
37.7967

■ 42.9295, 68.8757,
28.8649

■ 38.6888, 66.8387,
21.9285

■ 35.5744, 65.3427,
16.8342

■ 33.4790, 64.3362,
13.4068

■ 32.2749, 63.7578,
11.4372

■ 31.7537, 63.5075,
10.5846

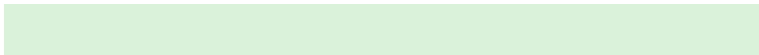
Harmonies

Analogous

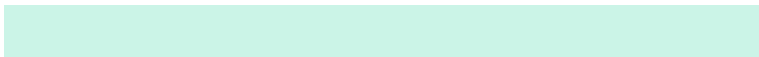
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.9697, 83.2657, 71.3825



72.8918, 83.2657, 77.8757



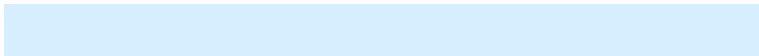
71.4941, 83.2657, 88.2409

Triad

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



72.8918, 83.2657, 77.8757



78.2915, 83.2657, 115.2479



86.6417, 83.2657, 81.7625

Complementary

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



72.8918, 83.2657, 77.8757



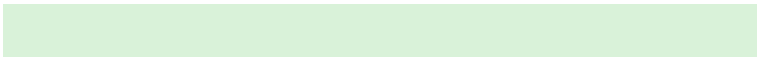
77.4608, 74.9158, 94.3860

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.



87.3157, 83.2657, 93.1274



72.8918, 83.2657, 77.8757



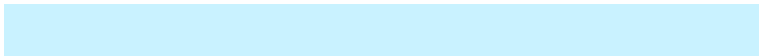
82.4004, 83.2657, 113.1339

Square

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



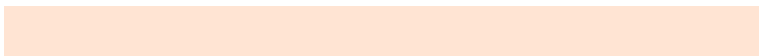
72.8918, 83.2657, 77.8757



74.5410, 83.2657, 110.3257



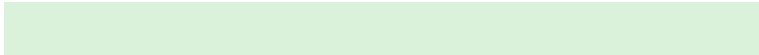
85.7387, 83.2657, 104.7769



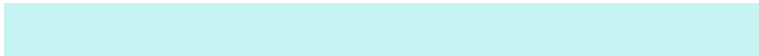
83.9276, 83.2657, 73.4860

Rectangle

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



72.8918, 83.2657, 77.8757



71.6673, 83.2657, 96.2222



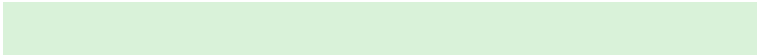
85.7387, 83.2657, 104.7769



87.1182, 83.2657, 85.3206

Sweetspot

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



72.8941, 83.2693, 77.8775



91.0839, 98.0949, 102.4128



80.8981, 87.3955, 78.2519



19.2746, 20.8901, 21.5589



0.0000, 0.0000, 0.0000



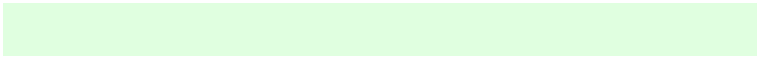
20.3446, 21.4041, 23.3091

Same Dimension

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



72.8941, 83.2693, 77.8775



80.1335, 92.8348, 84.5014



74.5827, 83.9447, 86.7699



15.5660, 17.6564, 16.7374



17.0575, 34.1150, 5.6859



1.4190, 2.8381, 0.4730

Inverse Universe

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



77.4608, 74.9158, 94.3860



86.0532, 82.0066, 105.9008



75.6463, 74.1900, 84.8310



16.4543, 16.0314, 19.9487



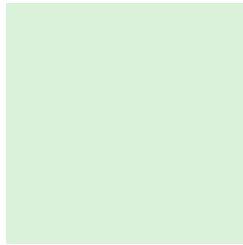
28.2811, 13.5849, 46.2585



2.3527, 1.1301, 3.8483

Previews

White Background



This preview shows how the XYZ color 72.8918, 83.2657, 77.8757 looks on a white background.

Color Contrast Check

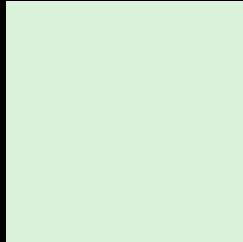
Large Text (above 18pt) WCAG AA × Fail

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 72.8918, 83.2657, 77.8757 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

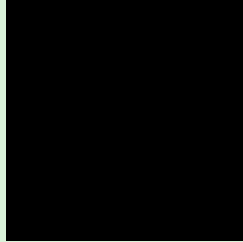
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

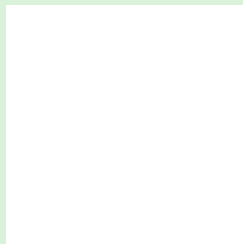
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 72.8918, 83.2657, 77.8757

Background



This preview shows how black text looks on a background with the XYZ color 72.8918, 83.2657, 77.8757.

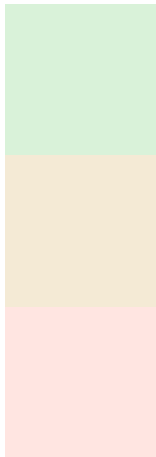


This preview shows how white text looks on a background with the XYZ color 72.8918, 83.2657,

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

72.8918, 83.2657, 77.8757

Protanopia

78.7413, 82.8828, 74.7987

Deuteranopia

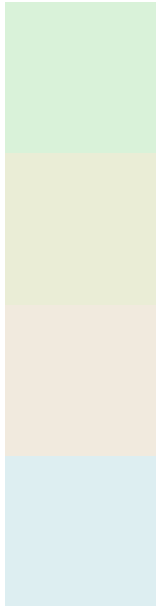
82.8499, 82.7349, 82.8369



Tritanopia

78.4769, 82.8989, 106.4727

Trichromacy



Original Color

72.8918, 83.2657, 77.8757

Protanomaly

76.3535, 82.9158, 75.5984

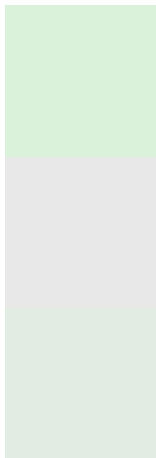
Deuteranomaly

78.8833, 82.8203, 80.9356

Tritanomaly

76.2705, 82.8721, 95.1951

Monochromacy



Original Color

72.8918, 83.2657, 77.8757

Achromatopsia

76.7008, 80.6952, 87.8771

Achromatomaly

75.5391, 81.8678, 84.4938

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.8918, 83.2657, 77.8757 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(217, 242, 217) looks like.

```
.text, #text, p{  
    color:rgb(217, 242, 217)  
}
```

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(217, 242, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 242, 217) }
```

Border

The CSS property to change the border of an element to XYZ 72.8918, 83.2657, 77.8757 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(217, 242, 217) }
```


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

```
.border{ border-color:rgb(217, 242, 217) }
```

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

Here you see how a box with a 4 pixel rgb(217, 242, 217) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 242, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 242, 217);  
box-shadow:4px 4px 4px 4px rgb(217, 242,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 72.8918, 83.2657, 77.8757 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 242, 217) }
```

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

```
.background{ background-color: rgb(217,  
242, 217) }
```

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