

Converting Colors

XYZ(72.7917, 82.2225, 63.8662)

Have a look what the booklet for
XYZ(72.7917, 82.2225, 63.8662)
contains.

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Color

**XYZ(72.7117, 82.1671,
63.6573)**

Conversions

Conversions Part 1

Format	Color
Hex	E4EFC3
RGB	228, 239, 195
RGB Percent	89%, 94%, 76%
CMY	0.1059, 0.0627, 0.2353
CMYK	0.05, 0.00, 0.18, 0.06
HSL	75°, 58%, 85%
HSV	75°, 18%, 94%
XYZ	72.7117, 82.1671, 63.6573
YIQ	230.6950, 7.5680, -16.0160

Conversions

Conversions Part 2

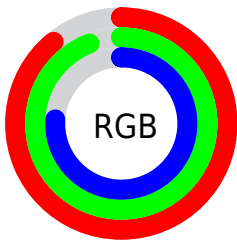
Format	Color
R _Y B	195, 239, 206
Decimal	15003587
CIE Lab	92.65, -11.02, 20.09
CIE LCh	93, 22.916, 118.751
Yxy	82.1671, 0.3327, 0.3760
Android (android.graphics.Color)	4293193667 (0xFFE4EFC3)
YUV	230.6950, -17.5976, -2.3635
Hunter-Lab	90.6461, -15.4469, 21.8151

Details

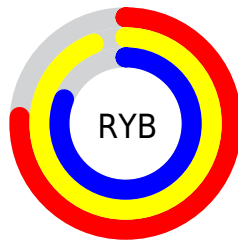
The XYZ color **72.7117, 82.1671, 63.6573** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **60.5520, 58.3863, 89.7441**, and the grayscale version is **75.8535, 79.8037, 86.9063**.

A 20% lighter version of the original color is **94.5707, 99.8083, 106.3760**, and **38.7545, 44.5607, 31.7578** is the 20% darker color. If you saturate the color by 10%, you get **68.3599, 80.2138, 50.4587**, and if you desaturate by 10%, it is **77.5660, 84.3345, 79.1406**.

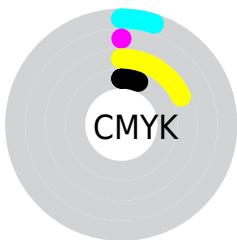
Distribution



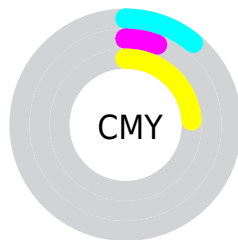
- Red (89%)
- Green (94%)
- Blue (76%)



- Red (76%)
- Yellow (94%)
- Blue (81%)



- Cyan (5%)
- Magenta (0%)
- Yellow (18%)
- Black (6%)



- Cyan (11%)
- Magenta (6%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 72.7117, 82.1671, 63.6573 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 72.7117, 82.1671, 63.6573 by changing the saturation by 10% instead.

72.7117, 82.1671,
63.6573

72.7117, 82.1671,
63.6573

459.1343,
502.2065, 456.1245

54.0278, 61.5033,
45.9288

122.0732,
136.4083, 111.7120

38.8546, 44.6315,
31.8413

153.4815,
170.7545, 142.8752

26.8269, 31.1672,
20.9765

189.8619,
210.4302, 179.3536

17.5792, 20.7262,
12.9158

231.5799,
255.8200, 221.5660

10.7461, 12.9240,
7.2405

279.0008,
307.3081, 269.9307

5.9624, 7.3763,
3.5323

332.4899,

2.8627, 3.6985,

365.2789, 324.8663

1.3724

392.4126,
430.1169, 386.7914

■ 1.0816, 1.5064,
0.1201

■ 0.0096, 0.2932,
0.0000

■ 72.7117, 82.1671,
63.6573

■ 72.7117, 82.1671,
63.6573

■ 68.3599, 80.2138,
50.4587

■ 77.5660, 84.3345,
79.1406

■ 64.4829, 78.4552,
39.4312

■ 82.9362, 86.7130,
97.0044

■ 61.0600, 76.8857,
30.4598

■ 86.9007, 88.5371,
107.1170

■ 58.0663, 75.4951,
23.4164

■ 89.0306, 89.6351,
107.2166

■ 55.4740, 74.2725,
18.1588

■ 90.1582, 90.2164,
107.2694

■ 53.2518, 73.2050,
14.5249

■ 51.3625, 72.2778,
12.3237

■ 49.7536, 71.4698,
11.2818

■ 49.5122, 71.3477,
11.1619

Harmonies

Analogous

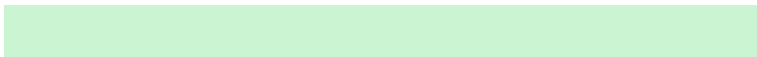
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.3475, 82.1671, 60.4914



72.7117, 82.1671, 63.6573



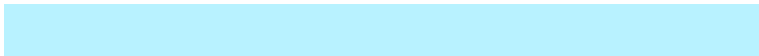
68.7005, 82.1671, 73.4915

Triad

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



72.7117, 82.1671, 63.6573



72.2998, 82.1671, 120.5738



90.1289, 82.1671, 90.1836

Complementary

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



72.7117, 82.1671, 63.6573



60.5520, 58.3863, 89.7441

Split Complementary

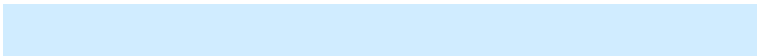
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



88.3143, 82.1671, 107.6023



72.7117, 82.1671, 63.6573



77.8477, 82.1671, 126.4698

Square

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



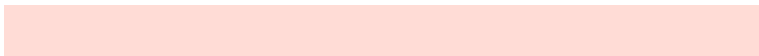
72.7117, 82.1671, 63.6573



68.4713, 82.1671, 106.2064



83.7426, 82.1671, 121.4492



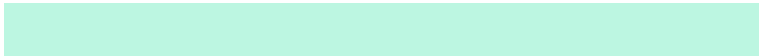
88.5858, 82.1671, 74.5841

Rectangle

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



72.7117, 82.1671, 63.6573



67.3842, 82.1671, 83.2127



83.7426, 82.1671, 121.4492



89.8898, 82.1671, 96.0250

Sweetspot

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



72.7139, 82.1707, 63.6591



91.2898, 98.3349, 96.3737



67.5211, 66.4360, 60.8956



19.4550, 21.0101, 20.3492



0.0000, 0.0000, 0.0000



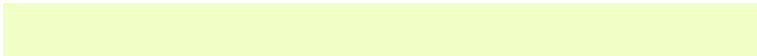
20.3446, 21.4041, 23.3091

Same Dimension

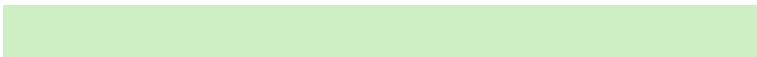
The Same Dimension uses a secret algorithm to generate beautiful new colors.



72.7139, 82.1707, 63.6591



82.3225, 94.3343, 67.8415



66.1732, 78.7989, 63.3530



16.7144, 18.2484, 16.7911



27.4863, 39.4913, 6.1739



2.3767, 3.3318, 0.5178

Inverse Universe

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



60.5520, 58.3863, 89.7441



65.8708, 62.1566, 103.1334



67.0929, 61.7582, 90.0502



15.2676, 15.4197, 19.8932



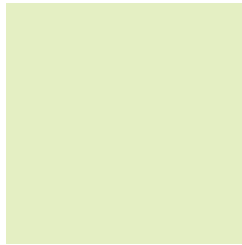
9.7328, 4.0229, 45.3914



0.8978, 0.3801, 3.7803

Previews

White Background



This preview shows how the XYZ color 72.7117, 82.1671, 63.6573 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 72.7117, 82.1671, 63.6573 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

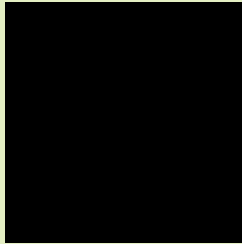
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

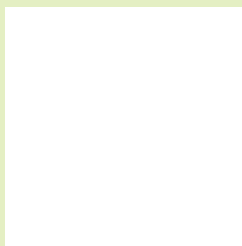
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 72.7117, 82.1671, 63.6573

Background



This preview shows how black text looks on a background with the XYZ color 72.7117, 82.1671, 63.6573.

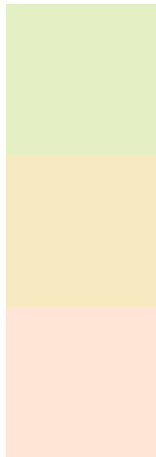


This preview shows how white text looks on a background with the XYZ color 72.7117, 82.1671,

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

72.7117, 82.1671, 63.6573

Protanopia

77.0111, 81.8578, 61.6104

Deuteranopia

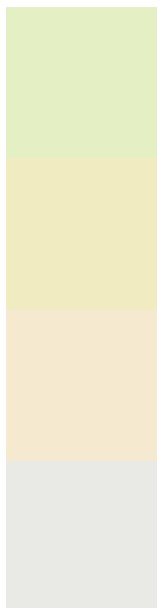
81.3969, 82.1537, 75.1855



Tritanopia

80.4233, 81.8868, 102.0095

Trichromacy



Original Color

72.7117, 82.1671, 63.6573

Protanomaly

75.2691, 81.7922, 62.2724

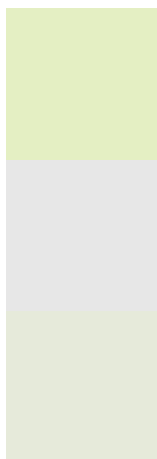
Deuteranomaly

78.0576, 82.1953, 70.7827

Tritanomaly

77.3100, 81.8824, 86.5931

Monochromacy



Original Color

72.7117, 82.1671, 63.6573

Achromatopsia

75.9547, 79.9103, 87.0223

Achromatomaly

74.7108, 80.7306, 77.9745

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.7117, 82.1671, 63.6573 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(228, 239, 195)` looks like.

```
.text, #text, p{  
    color:rgb(228, 239, 195)  
}
```

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(228, 239, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 239, 195) }
```

Border

The CSS property to change the border of an element to XYZ 72.7117, 82.1671, 63.6573 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(228, 239, 195) }
```


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

```
.border{ border-color:rgb(228, 239, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 239, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 239, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 239, 195);  
box-shadow:4px 4px 4px 4px rgb(228, 239,  
195) }
```

Background

The CSS property to change the background color of an element to XYZ 72.7117, 82.1671, 63.6573 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 239, 195) }
```

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

```
.background{ background-color: rgb(228,  
239, 195) }
```

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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