

Converting Colors

XYZ(72.4284, 83.2677, 65.9175)

Have a look what the booklet for
XYZ(72.4284, 83.2677, 65.9175)
contains.

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Color

**XYZ(72.3766, 83.2695,
65.6840)**

Conversions

Conversions Part 1

Format	Color
Hex	DFF2C6
RGB	223, 242, 198
RGB Percent	87%, 95%, 78%
CMY	0.1255, 0.0510, 0.2235
CMYK	0.08, 0.00, 0.18, 0.05
HSL	86°, 63%, 86%
HSV	86°, 18%, 95%
XYZ	72.3766, 83.2695, 65.6840
YIQ	231.3030, 2.8000, -17.7120

Conversions

Conversions Part 2

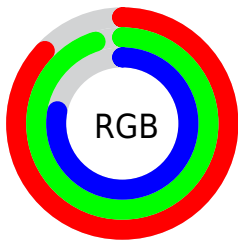
Format	Color
RYB	198, 242, 217
Decimal	14676678
CIELab	93.13, -13.81, 19.17
CIELCh	93, 23.626, 125.774
Yxy	83.2695, 0.3270, 0.3762
Android (android.graphics.Color)	4292866758 (0xFFDFF2C6)
YUV	231.3030, -16.4184, -7.2817
Hunter-Lab	91.2521, -18.1140, 21.1991

Details

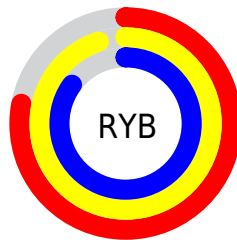
The XYZ color **72.3766, 83.2695, 65.6840** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **64.8397, 61.5530, 92.4724**, and the grayscale version is **76.3003, 80.2738, 87.4182**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.7414, 45.4563, 33.1176** is the 20% darker color. If you saturate the color by 10%, you get **66.6844, 80.6347, 51.9924**, and if you desaturate by 10%, it is **78.7182, 86.1925, 81.7376**.

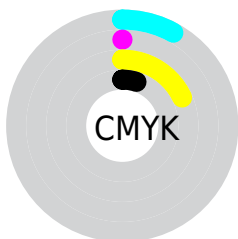
Distribution



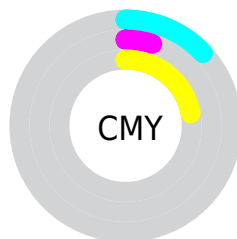
- Red (87%)
- Green (95%)
- Blue (78%)



- Red (78%)
- Yellow (95%)
- Blue (85%)



- Cyan (8%)
- Magenta (0%)
- Yellow (18%)
- Black (5%)



- Cyan (13%)
- Magenta (5%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 72.3766, 83.2695, 65.6840 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 72.3766, 83.2695, 65.6840 by changing the saturation by 10% instead.

72.3766, 83.2695,
65.6840

72.3766, 83.2695,
65.6840

457.9887,
505.8843, 463.6192

53.7529, 62.4125,
47.5611

121.5997,
137.9529, 114.6553

38.6341, 45.3661,
33.1219

152.9299,
172.5480, 146.3408

26.6546, 31.7459,
21.9480

189.2262,
212.4913, 183.3842

17.4492, 21.1675,
13.6207

230.8542,
258.1672, 226.2041

10.6526, 13.2465,
7.7216

278.1790,
309.9600, 275.2190

5.8993, 7.5985,
3.8321

331.5662,

2.8240, 3.8391,

368.2542, 330.8475

1.5337

391.3809,
433.4342, 393.5080

■ 1.0614, 1.5840,
0.2429

■ 0.0000, 0.3468,
0.0000

■ 72.3766, 83.2695,
65.6840

■ 72.3766, 83.2695,
65.6840

■ 66.6844, 80.6347,
51.9924

■ 78.7182, 86.1925,
81.7376

■ 61.6101, 78.2669,
40.5457

■ 85.7256, 89.4024,
100.2517

■ 57.1295, 76.1588,
31.2254

■ 90.8077, 91.8660,
107.5536

■ 53.2139, 74.2983,
23.8996

■ 91.0439, 91.9877,
107.5646

■ 49.8315, 72.6723,
18.4218

■ 46.9468, 71.2663,
14.6253

■ 44.5183, 70.0630,
12.3136

■ 42.4897, 69.0395,
11.2128

■ 42.1501, 68.8672,
11.0712

Harmonies

Analogous

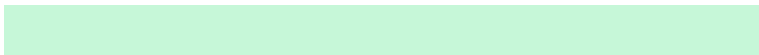
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.9516, 83.2695, 60.7550



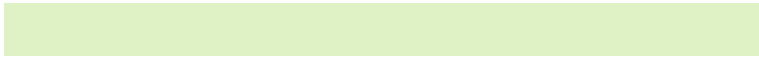
72.3766, 83.2695, 65.6840



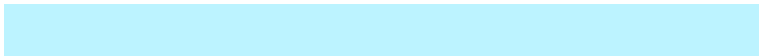
68.7607, 83.2695, 77.3616

Triad

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



72.3766, 83.2695, 65.6840



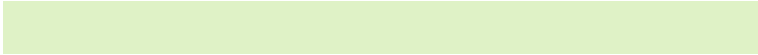
74.3519, 83.2695, 125.5136



91.6126, 83.2695, 87.2739

Complementary

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



72.3766, 83.2695, 65.6840



64.8397, 61.5530, 92.4724

Split Complementary

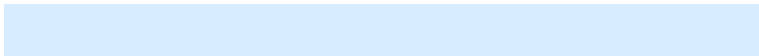
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



90.5258, 83.2695, 105.4152



72.3766, 83.2695, 65.6840



80.3509, 83.2695, 129.0675

Square

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



72.3766, 83.2695, 65.6840



69.8588, 83.2695, 112.1328



86.3231, 83.2695, 121.2943



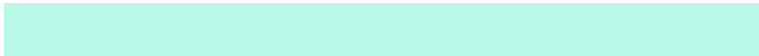
89.2201, 83.2695, 72.1308

Rectangle

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



72.3766, 83.2695, 65.6840



67.8382, 83.2695, 88.1725



86.3231, 83.2695, 121.2943



91.6435, 83.2695, 93.2067

Sweetspot

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



72.3788, 83.2731, 65.6858



91.0676, 98.1764, 98.3516



71.4555, 72.2401, 63.6049



19.3757, 20.9604, 20.7462



0.0000, 0.0000, 0.0000



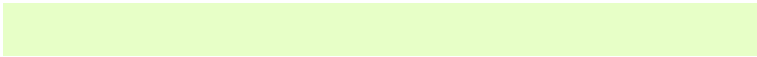
20.3446, 21.4041, 23.3091

Same Dimension

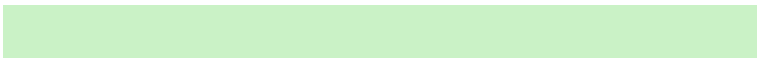
The Same Dimension uses a secret algorithm to generate beautiful new colors.



72.3788, 83.2731, 65.6858



78.9383, 92.5897, 67.6831



66.2147, 80.0954, 65.3973



16.4254, 18.0995, 16.7776



22.8019, 37.0763, 5.9547



2.0107, 3.1431, 0.5007

Inverse Universe

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



64.8397, 61.5530, 92.4724



68.9217, 63.7293, 103.2762



71.5962, 65.0360, 92.7886



15.5448, 15.5625, 19.9062



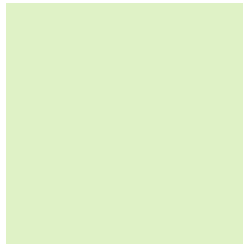
11.8589, 5.1189, 45.4909



1.0984, 0.4835, 3.7897

Previews

White Background



This preview shows how the XYZ color 72.3766, 83.2695, 65.6840 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 72.3766, 83.2695, 65.6840 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

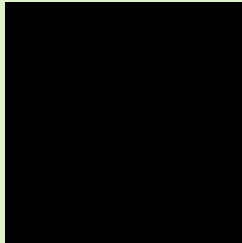
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

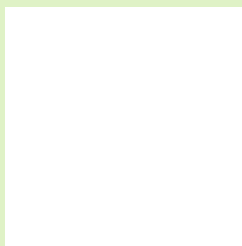
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 72.3766, 83.2695, 65.6840

Background



This preview shows how black text looks on a background with the XYZ color 72.3766, 83.2695, 65.6840.



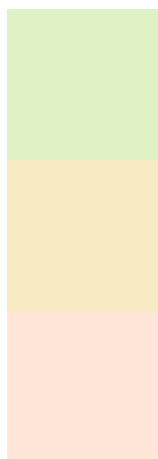
This preview shows how white text looks on a background with the XYZ color 72.3766, 83.2695,

65.6840.

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

72.3766, 83.2695, 65.6840

Protanopia

77.8718, 82.6971, 62.8968

Deuteranopia

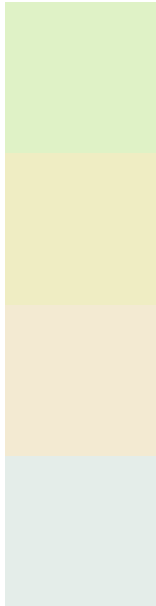
82.0612, 82.8634, 77.3148



Tritanopia

80.1074, 82.9264, 104.7128

Trichromacy



Original Color

72.3766, 83.2695, 65.6840

Protanomaly

75.7311, 82.8592, 63.6317

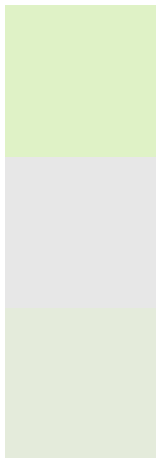
Deuteranomaly

78.0178, 82.5535, 72.7952

Tritanomaly

76.9871, 82.9455, 89.0432

Monochromacy



Original Color

72.3766, 83.2695, 65.6840

Achromatopsia

75.9547, 79.9103, 87.0223

Achromatomaly

74.4894, 81.0251, 78.7312

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.3766, 83.2695, 65.6840 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(223, 242, 198)` looks like.

```
.text, #text, p{  
    color:rgb(223, 242, 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(223, 242, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 242, 198) }
```

Border

The CSS property to change the border of an element to XYZ 72.3766, 83.2695, 65.6840 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(223, 242, 198) }
```


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

```
.border{ border-color:rgb(223, 242, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 242, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 242, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 242, 198);  
box-shadow:4px 4px 4px 4px rgb(223, 242,  
198) }
```

Background

The CSS property to change the background color of an element to XYZ 72.3766, 83.2695, 65.6840 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 242, 198) }
```

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

```
.background{ background-color: rgb(223,  
242, 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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