

Converting Colors

XYZ(63.6646, 74.2267, 77.0020)

Have a look what the booklet for
XYZ(63.6646, 74.2267, 77.0020)
contains.

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Color

**XYZ(63.7596, 74.2445,
77.2998)**

Conversions

Conversions Part 1

Format	Color
Hex	C2E8DA
RGB	194, 232, 218
RGB Percent	76%, 91%, 85%
CMY	0.2392, 0.0902, 0.1451
CMYK	0.16, 0.00, 0.06, 0.09
HSL	158°, 45%, 84%
HSV	158°, 16%, 91%
XYZ	63.7596, 74.2445, 77.2998
YIQ	219.0420, -18.1540, -12.4100

Conversions

Conversions Part 2

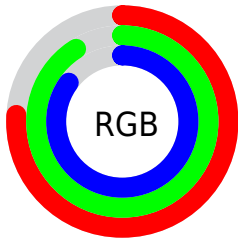
Format	Color
RYB	194, 217, 232
Decimal	12773594
CIELab	89.04, -15.05, 2.68
CIELCh	89, 15.291, 169.895
Yxy	74.2445, 0.2961, 0.3448
Android (android.graphics.Color)	4290963674 (0xFFC2E8DA)
YUV	219.0420, -0.5137, -21.9618
Hunter-Lab	86.1652, -18.7047, 7.1260

Details

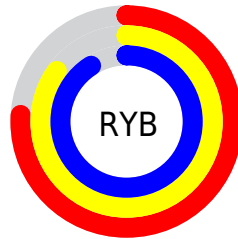
The XYZ color **63.7596, 74.2445, 77.2998** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **63.9583, 60.2953, 67.9449**, and the grayscale version is **67.3752, 70.8840, 77.1927**.

A 20% lighter version of the original color is **93.5937, 99.2492, 108.8318**, and **32.9514, 39.2705, 40.4936** is the 20% darker color. If you saturate the color by 10%, you get **57.1741, 70.9775, 71.3026**, and if you desaturate by 10%, it is **71.3366, 78.0200, 83.6477**.

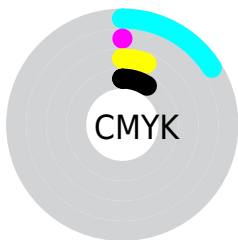
Distribution



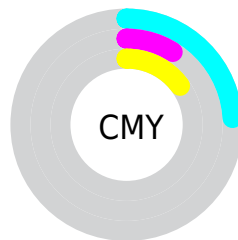
- Red (76%)
- Green (91%)
- Blue (85%)



- Red (76%)
- Yellow (85%)
- Blue (91%)



- Cyan (16%)
- Magenta (0%)
- Yellow (6%)
- Black (9%)




- Cyan (24%)
- Magenta (9%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.7596, 74.2445, 77.2998 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 63.7596, 74.2445, 77.2998 by changing the saturation by 10% instead.


 63.7596, 74.2445,
77.2998

 63.7596, 74.2445,
77.2998


427.9370,
475.3168, 505.2504

 46.7169, 54.9942,
56.9859


 109.3403,
125.2423, 131.3395

 33.0190, 39.3971,
40.5847


138.6091,
157.7587, 165.9023

 22.3003, 27.0688,
27.6774


172.6840,
195.4657, 206.0520

 14.1955, 17.6249,
17.8457

211.9303,
238.7480, 252.2069

 8.3394, 10.6810,
10.6710

256.7134,
287.9899, 304.7857

 4.3665, 5.8528,
5.7347

307.3986,

 1.9115, 2.7558,

343.5757, 364.2068

2.6183

364.3514,
405.8899, 430.8889

■ 0.5835, 1.0056,
0.9019

■ 0.0000, 0.0000,
0.0000

■ 63.7596, 74.2445,
77.2998

■ 63.7596, 74.2445,
77.2998

■ 57.1741, 70.9775,
71.3026

■ 71.3366, 78.0200,
83.6477

■ 51.5300, 68.1873,
65.6447

■ 79.9398, 82.3157,
90.3477

■ 46.7820, 65.8525,
60.3210

■ 86.3737, 85.4863,
97.2562

■ 42.8787, 63.9468,
55.3242

■ 87.6999, 86.0168,
104.2398

■ 39.7630, 62.4409,
50.6468

■ 88.1480, 86.1960,
106.5993

■ 37.3707, 61.3018,
46.2811

■ 35.6266, 60.4908,
42.2182

■ 34.4369, 59.9597,
38.4487

■ 34.0866, 59.8074,
37.1529

Harmonies

Analogous

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



65.2385, 74.2445, 68.3530



63.7596, 74.2445, 77.2998



64.0552, 74.2445, 88.0099

Triad

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



63.7596, 74.2445, 77.2998



73.0283, 74.2445, 101.6636



75.2740, 74.2445, 66.1673

Complementary

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



63.7596, 74.2445, 77.2998



63.9583, 60.2953, 67.9449

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.



77.5062, 74.2445, 74.0698



63.7596, 74.2445, 77.2998



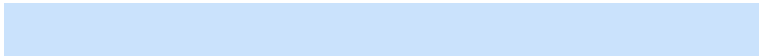
76.1784, 74.2445, 94.7612

Square

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



63.7596, 74.2445, 77.2998



69.3201, 74.2445, 102.7210



77.8428, 74.2445, 84.4859



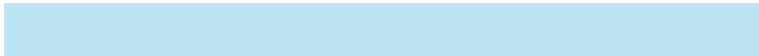
71.8291, 74.2445, 62.3097

Rectangle

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



63.7596, 74.2445, 77.2998



65.2225, 74.2445, 94.6972



77.8428, 74.2445, 84.4859



76.1961, 74.2445, 68.4046

Sweetspot

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



63.7617, 74.2476, 77.3015



89.7665, 97.3626, 104.7526



64.7687, 75.1037, 62.1228



19.0604, 20.7631, 22.2985



0.0000, 0.0000, 0.0000



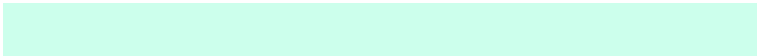
20.3446, 21.4041, 23.3091

Same Dimension

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



63.7617, 74.2476, 77.3015



75.8324, 90.4256, 92.9723



64.4404, 72.5472, 86.9542



14.5704, 16.2416, 17.2682



18.9854, 33.2262, 20.9551



1.4474, 2.4731, 1.7824

Inverse Universe

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



63.9583, 60.2953, 67.9449



76.1241, 69.7622, 79.1185



63.3119, 61.6393, 59.6006



14.5954, 14.4554, 16.0700



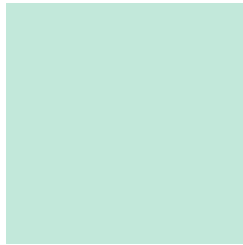
19.4517, 9.9149, 6.0078



1.4810, 0.7501, 0.6736

Previews

White Background



This preview shows how the XYZ color 63.7596, 74.2445, 77.2998 looks on a white background.

Color Contrast Check

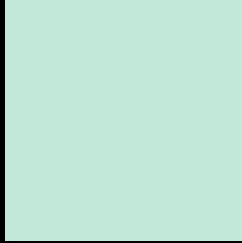
Large Text (above 18pt) WCAG AA × Fail

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 63.7596, 74.2445, 77.2998 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

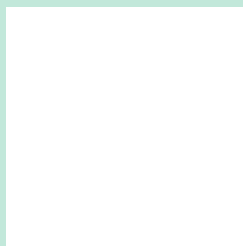
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 63.7596, 74.2445, 77.2998

Background



This preview shows how black text looks on a background with the XYZ color 63.7596, 74.2445, 77.2998.

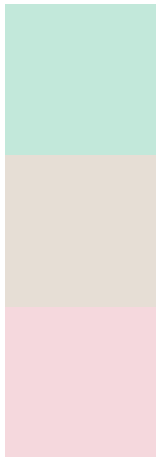


This preview shows how white text looks on a background with the XYZ color 63.7596, 74.2445,

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

63.7596, 74.2445, 77.2998

Protanopia

70.7646, 73.8696, 73.4794

Deuteranopia

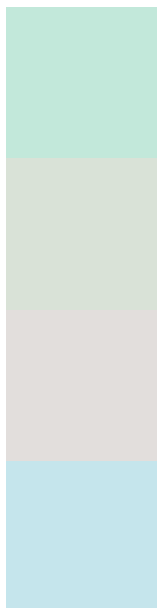
75.2632, 73.7447, 78.6740



Tritanopia

67.9311, 74.2827, 97.9464

Trichromacy



Original Color

63.7596, 74.2445, 77.2998

Protanomaly

68.0774, 74.0507, 74.9951

Deuteranomaly

70.4036, 73.5786, 78.2016

Tritanomaly

66.1856, 73.9651, 90.1452

Monochromacy



Original Color

63.7596, 74.2445, 77.2998

Achromatopsia

67.3311, 70.8376, 77.1421

Achromatomaly

66.0202, 72.1274, 77.4602

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.7596, 74.2445, 77.2998 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(194, 232, 218)` looks like.

```
.text, #text, p{  
    color:rgb(194, 232, 218)  
}
```

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(194, 232, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 232, 218) }
```

Border

The CSS property to change the border of an element to XYZ 63.7596, 74.2445, 77.2998 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(194, 232, 218) }
```


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

```
.border{ border-color:rgb(194, 232, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 232, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 232, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 232, 218);  
box-shadow:4px 4px 4px 4px rgb(194, 232,  
218) }
```

Background

The CSS property to change the background color of an element to XYZ 63.7596, 74.2445, 77.2998 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 232, 218) }
```

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

```
.background{ background-color: rgb(194,  
232, 218) }
```

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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