

Converting Colors

XYZ(63.7985, 76.4924, 75.8024)

Have a look what the booklet for
XYZ(63.7985, 76.4924, 75.8024)
contains.

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Color

**XYZ(63.7851, 76.4218,
75.6790)**

Conversions

Conversions Part 1

Format	Color
Hex	BEEDD7
RGB	190, 237, 215
RGB Percent	75%, 93%, 84%
CMY	0.2549, 0.0706, 0.1569
CMYK	0.20, 0.00, 0.09, 0.07
HSL	152°, 57%, 84%
HSV	152°, 20%, 93%
XYZ	63.7851, 76.4218, 75.6790
YIQ	220.4390, -20.9500, -16.8060

Conversions

Conversions Part 2

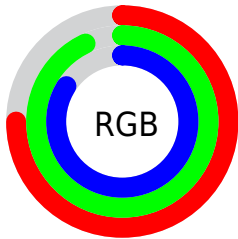
Format	Color
RYB	190, 221, 237
Decimal	12512727
CIELab	90.05, -19.38, 5.69
CIELCh	90, 20.197, 163.631
Yxy	76.4218, 0.2955, 0.3540
Android (android.graphics.Color)	4290702807 (0xFFBEEDD7)
YUV	220.4390, -2.6814, -26.6950
Hunter-Lab	87.4196, -22.7429, 9.8664

Details

The XYZ color **63.7851, 76.4218, 75.6790** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **65.2248, 59.5868, 70.3543**, and the grayscale version is **68.3646, 71.9248, 78.3261**.

A 20% lighter version of the original color is **92.1678, 98.5142, 108.7651**, and **33.0224, 40.8201, 39.3963** is the 20% darker color. If you saturate the color by 10%, you get **56.9627, 73.0660, 68.1692**, and if you desaturate by 10%, it is **71.6711, 80.3189, 83.7465**.

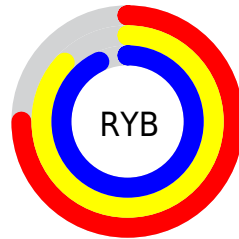
Distribution



Red (75%)

Green (93%)

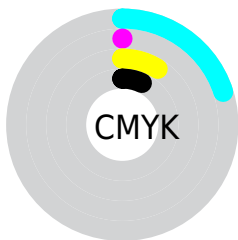
Blue (84%)



Red (75%)

Yellow (87%)

Blue (93%)

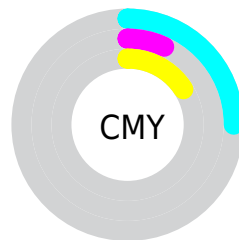


Cyan (20%)

Magenta (0%)

Yellow (9%)

Black (7%)



Cyan (25%)

Magenta (7%)

Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.7851, 76.4218, 75.6790 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 63.7851, 76.4218, 75.6790 by changing the saturation by 10% instead.

63.7851, 76.4218,
75.6790

63.7851, 76.4218,
75.6790

428.0277,
482.7904, 499.5657

46.7377, 56.7784,
55.6643

109.3769,
128.3230, 129.0290

33.0354, 40.8274,
39.5316

138.6519,
161.3496, 163.2013

22.3129, 28.1842,
26.8625

172.7335,
199.6061, 202.9299

14.2049, 18.4646,
17.2385

211.9871,
243.4768, 248.6333

8.3460, 11.2840,
10.2409

256.7779,
293.3462, 300.7300

4.3708, 6.2582,
5.4513

307.4714,

1.9140, 3.0027,

349.5987, 359.6386

2.4511

364.4329,
412.6186, 425.7777

■ 0.5849, 1.1332,
0.8141

■ 0.0000, 0.0061,
0.0000

■ 63.7851, 76.4218,
75.6790

■ 63.7851, 76.4218,
75.6790

■ 56.9627, 73.0660,
68.1692

■ 71.6711, 80.3189,
83.7465

■ 51.1490, 70.2172,
61.1998

■ 80.6593, 84.7708,
92.3785

■ 46.2940, 67.8518,
54.7599

■ 88.5133, 88.6263,
101.4811

■ 42.3405, 65.9407,
48.8361

■ 89.5756, 89.0512,
107.0752

■ 39.2249, 64.4514,
43.4147

■ 36.8747, 63.3466,
38.4808

■ 35.2043, 62.5825,
34.0187

■ 34.0723, 62.0865,
30.0094

■ 34.0552, 62.0791,
29.9458

Harmonies

Analogous

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



66.1938, 76.4218, 64.8059



63.7851, 76.4218, 75.6790



63.6760, 76.4218, 89.8792

Triad

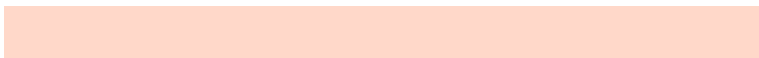
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



63.7851, 76.4218, 75.6790



74.9293, 76.4218, 112.9865



79.8305, 76.4218, 65.5976

Complementary

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



63.7851, 76.4218, 75.6790



65.2248, 59.5868, 70.3543

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.



82.4008, 76.4218, 76.8798



63.7851, 76.4218, 75.6790



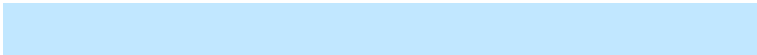
79.4846, 76.4218, 104.8060

Square

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



63.7851, 76.4218, 75.6790



69.9570, 76.4218, 112.5689



82.2714, 76.4218, 91.2255



75.3839, 76.4218, 59.4593

Rectangle

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



63.7851, 76.4218, 75.6790



64.9116, 76.4218, 99.4350



82.2714, 76.4218, 91.2255



80.9515, 76.4218, 68.8542

Sweetspot

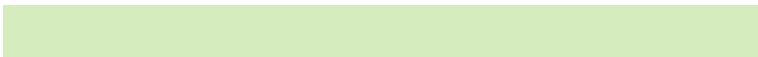
The Sweet Spot groups the original color and five complimentary colors.



63.7872, 76.4250, 75.6807



88.5115, 96.7600, 102.6865



66.9395, 78.3933, 60.3196



18.7990, 20.6383, 21.8375



0.0000, 0.0000, 0.0000



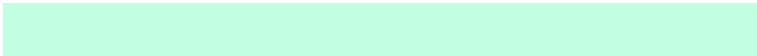
20.3446, 21.4041, 23.3091

Same Dimension

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



63.7872, 76.4250, 75.6807



71.7325, 88.4732, 85.5006



66.5817, 77.1807, 91.5127



15.2032, 16.9961, 17.7528



18.6590, 33.9181, 16.7015



1.5137, 2.6828, 1.5671

Inverse Universe

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



65.2248, 59.5868, 70.3543



73.7324, 65.0526, 78.0935



62.8051, 58.8911, 56.7732



15.3589, 15.1714, 17.1754



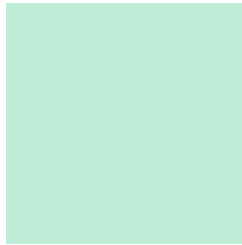
20.6977, 10.4818, 9.4754



1.6735, 0.8424, 0.9979

Previews

White Background



This preview shows how the XYZ color 63.7851, 76.4218, 75.6790 looks on a white background.

Color Contrast Check

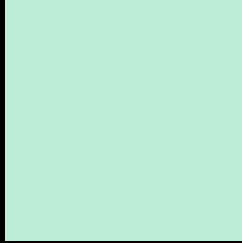
Large Text (above 18pt) WCAG AA × Fail

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 63.7851, 76.4218, 75.6790 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

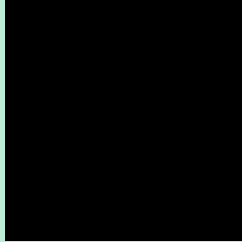
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

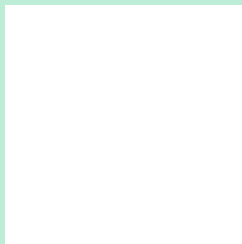
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 63.7851, 76.4218, 75.6790

Background



This preview shows how black text looks on a background with the XYZ color 63.7851, 76.4218, 75.6790.



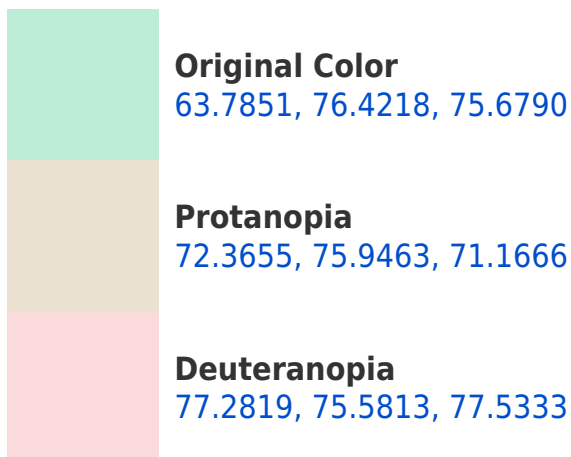
This preview shows how white text looks on a background with the XYZ color 63.7851, 76.4218,

75.6790.

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

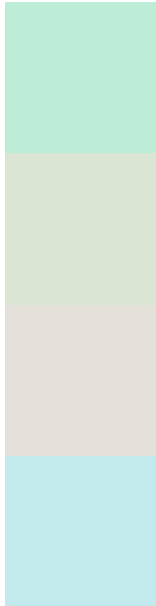




Tritanopia

69.1379, 76.4857, 101.5617

Trichromacy



Original Color

63.7851, 76.4218, 75.6790

Protanomaly

68.6906, 75.6472, 72.6090

Deuteranomaly

71.5750, 75.4064, 77.1121

Tritanomaly

66.9570, 76.4294, 91.3441

Monochromacy



Original Color

63.7851, 76.4218, 75.6790

Achromatopsia

68.0267, 71.5694, 77.9390

Achromatomaly

66.1457, 73.0100, 76.9357

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.7851, 76.4218, 75.6790 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(190, 237, 215)` looks like.

```
.text, #text, p{  
    color:rgb(190, 237, 215)  
}
```

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(190, 237, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 237, 215) }
```

Border

The CSS property to change the border of an element to XYZ 63.7851, 76.4218, 75.6790 is called "border". The border property can be set on classes, ids or directly on the HTML element.

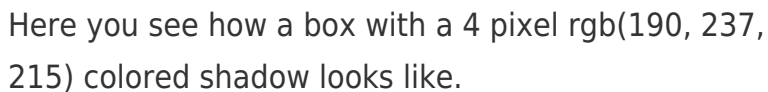
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(190, 237, 215) }
```


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

```
.border{ border-color:rgb(190, 237, 215) }
```

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



Here you see how a box with a 4 pixel `rgb(190, 237, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 237, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 237, 215);  
box-shadow:4px 4px 4px 4px rgb(190, 237,  
215) }
```

Background

The CSS property to change the background color of an element to XYZ 63.7851, 76.4218, 75.6790 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 237, 215) }
```

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

```
.background{ background-color: rgb(190,  
237, 215) }
```

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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