

Converting Colors

XYZ(63.9454, 73.8545, 76.5813)

Have a look what the booklet for
XYZ(63.9454, 73.8545, 76.5813)
contains.

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Color

**XYZ(63.8652, 73.8973,
76.5432)**

Conversions

Conversions Part 1

Format	Color
Hex	C4E7D9
RGB	196, 231, 217
RGB Percent	77%, 91%, 85%
CMY	0.2314, 0.0941, 0.1490
CMYK	0.15, 0.00, 0.06, 0.09
HSL	156°, 42%, 84%
HSV	156°, 15%, 91%
XYZ	63.8652, 73.8973, 76.5432
YIQ	218.9390, -16.3660, -11.7740

Conversions

Conversions Part 2

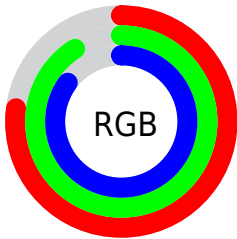
Format	Color
RYB	196, 218, 231
Decimal	12904409
CIELab	88.87, -14.11, 2.98
CIELCh	89, 14.418, 168.055
Yxy	73.8973, 0.2980, 0.3448
Android (android.graphics.Color)	4291094489 (0xFFC4E7D9)
YUV	218.9390, -0.9559, -20.1175
Hunter-Lab	85.9635, -17.8225, 7.3818

Details

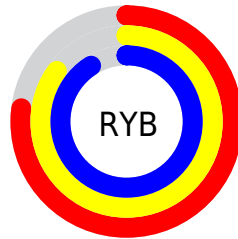
The XYZ color **63.8652, 73.8973, 76.5432** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **64.3303, 61.1237, 69.3834**, and the grayscale version is **67.3059, 70.8110, 77.1132**.

A 20% lighter version of the original color is **94.3180, 99.6226, 108.8657**, and **33.0069, 39.0194, 39.9743** is the 20% darker color. If you saturate the color by 10%, you get **57.1447, 70.5698, 70.1295**, and if you desaturate by 10%, it is **71.5823, 77.7348, 83.3581**.

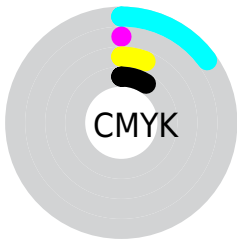
Distribution



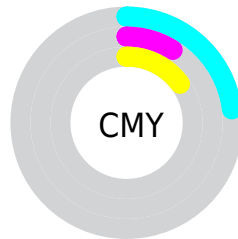
- Red (77%)
- Green (91%)
- Blue (85%)



- Red (77%)
- Yellow (85%)
- Blue (91%)



- Cyan (15%)
- Magenta (0%)
- Yellow (6%)
- Black (9%)



- Cyan (23%)
- Magenta (9%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.8652, 73.8973, 76.5432 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 63.8652, 73.8973, 76.5432 by changing the saturation by 10% instead.

63.8652, 73.8973,
76.5432

63.8652, 73.8973,
76.5432

428.3126,
474.1188, 502.6014

46.8028, 54.7100,
56.3687

109.4916,
124.7502, 130.2616

33.0871, 39.1696,
40.0926

138.7863,
157.1846, 164.6425

22.3527, 26.8917,
27.2964

172.8891,
194.8035, 204.5961

14.2343, 17.4919,
17.5616

212.1654,
237.9912, 250.5408

8.3666, 10.5858,
10.4695

256.9806,
287.1322, 302.8951

4.3842, 5.7891,
5.6017

307.6999,

1.9217, 2.7172,

342.6109, 362.0776

2.5396

364.6888,
404.8116, 428.5069

■ 0.5894, 0.9860,
0.8610

■ 0.0000, 0.0000,
0.0000

■ 63.8652, 73.8973,
76.5432

■ 63.8652, 73.8973,
76.5432

■ 57.1447, 70.5698,
70.1295

■ 71.5823, 77.7348,
83.3581

■ 51.3713, 67.7209,
64.1043

■ 80.3304, 82.0939,
90.5767

■ 46.5005, 65.3298,
58.4612

■ 86.2569, 84.9904,
98.0257

■ 42.4817, 63.3705,
53.1919

■ 87.7015, 85.5682,
105.6326

■ 39.2590, 61.8143,
48.2876

■ 87.8673, 85.6346,
106.5058

■ 36.7694, 60.6290,
43.7391

■ 34.9399, 59.7770,
39.5363

■ 33.6812, 59.2124,
35.6684

■ 33.2076, 59.0067,
33.9087

Harmonies

Analogous

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



65.3562, 73.8973, 68.2699



63.8652, 73.8973, 76.5432



64.0393, 73.8973, 86.5753

Triad

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



63.8652, 73.8973, 76.5432



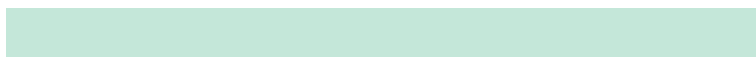
72.3407, 73.8973, 100.1833



74.8258, 73.8973, 66.9782

Complementary

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



63.8652, 73.8973, 76.5432



64.3303, 61.1237, 69.3834

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.



76.8225, 73.8973, 74.6427



63.8652, 73.8973, 76.5432



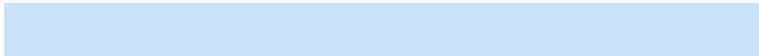
75.3553, 73.8973, 94.0247

Square

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



63.8652, 73.8973, 76.5432



68.8553, 73.8973, 100.7990



77.0195, 73.8973, 84.5115



71.6374, 73.8973, 63.0620

Rectangle

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



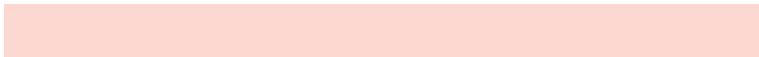
63.8652, 73.8973, 76.5432



65.0770, 73.8973, 92.9184



77.0195, 73.8973, 84.5115



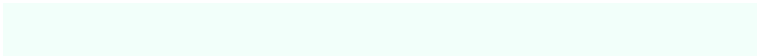
75.6631, 73.8973, 69.1710

Sweetspot

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



63.8673, 73.9004, 76.5448



89.7034, 97.3373, 104.4198



65.2869, 74.9280, 63.2471



19.0450, 20.7570, 22.2176



0.0000, 0.0000, 0.0000



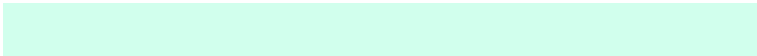
20.3446, 21.4041, 23.3091

Same Dimension

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



63.8673, 73.9004, 76.5448



77.3159, 91.1832, 93.3685



64.9575, 73.0410, 86.2796



14.5505, 16.2336, 17.1639



18.6787, 33.1036, 19.3400



1.4259, 2.4645, 1.6692

Inverse Universe

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



64.3303, 61.1237, 69.3834



77.9941, 72.4816, 82.8878



63.3253, 61.7847, 60.8136



14.6147, 14.4631, 16.1713



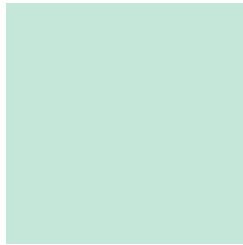
19.6256, 9.9844, 6.9232



1.4951, 0.7558, 0.7479

Previews

White Background



This preview shows how the XYZ color 63.8652, 73.8973, 76.5432 looks on a white background.

Color Contrast Check

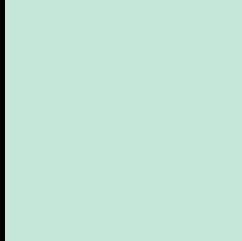
Large Text (above 18pt) WCAG AA × Fail

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 63.8652, 73.8973, 76.5432 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

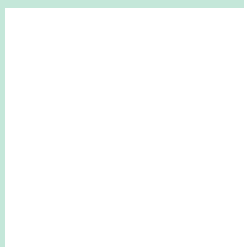
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 63.8652, 73.8973, 76.5432

Background



This preview shows how black text looks on a background with the XYZ color 63.8652, 73.8973, 76.5432.



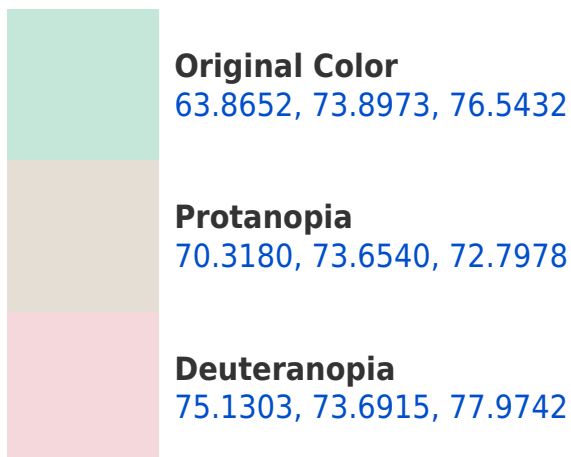
This preview shows how white text looks on a background with the XYZ color 63.8652, 73.8973,

76.5432.

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

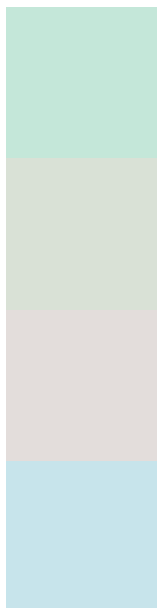




Tritanopia

68.0379, 73.9482, 97.0737

Trichromacy



Original Color

63.8652, 73.8973, 76.5432

Protanomaly

67.6781, 73.4572, 74.2300

Deuteranomaly

70.3212, 73.1583, 77.4325

Tritanomaly

66.2920, 73.6271, 89.3147

Monochromacy



Original Color

63.8652, 73.8973, 76.5432

Achromatopsia

67.3311, 70.8376, 77.1421

Achromatomaly

65.9065, 71.6862, 76.6928

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.8652, 73.8973, 76.5432 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(196, 231, 217)` looks like.

```
.text, #text, p{  
    color:rgb(196, 231, 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(196, 231, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 231, 217) }
```

Border

The CSS property to change the border of an element to XYZ 63.8652, 73.8973, 76.5432 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(196, 231, 217) }
```


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

```
.border{ border-color:rgb(196, 231, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 231, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 231, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 231, 217);  
box-shadow:4px 4px 4px 4px rgb(196, 231,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 63.8652, 73.8973, 76.5432 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 231, 217) }
```

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

```
.background{ background-color: rgb(196,  
231, 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](#).

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