

Converting Colors

XYZ(64.9557, 72.8024, 76.2988)

Have a look what the booklet for
XYZ(64.9557, 72.8024, 76.2988)
contains.

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Color

**XYZ(64.8953, 72.7853,
76.2743)**

Conversions

Conversions Part 1

Format	Color
Hex	CCE3D9
RGB	204, 227, 217
RGB Percent	80%, 89%, 85%
CMY	0.2000, 0.1098, 0.1490
CMYK	0.10, 0.00, 0.04, 0.11
HSL	154°, 29%, 85%
HSV	154°, 10%, 89%
XYZ	64.8953, 72.7853, 76.2743
YIQ	218.9830, -10.4980, -7.9860

Conversions

Conversions Part 2

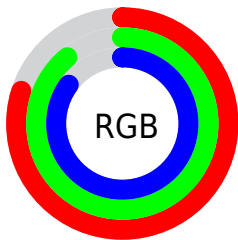
Format	Color
R_YB	204, 219, 227
Decimal	13427673
CIE Lab	88.35, -9.48, 2.28
CIE LCh	88, 9.755, 166.477
Yxy	72.7853, 0.3033, 0.3402
Android (android.graphics.Color)	4291617753 (0xFFCCE3D9)
YUV	218.9830, -0.9776, -13.1401
Hunter-Lab	85.3143, -13.5220, 6.7124

Details

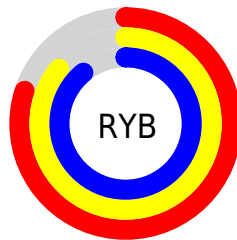
The XYZ color **64.8953, 72.7853, 76.2743** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **65.4116, 64.3735, 72.5994**, and the grayscale version is **67.3336, 70.8402, 77.1450**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **33.8518, 38.5977, 39.8483** is the 20% darker color. If you saturate the color by 10%, you get **57.8756, 69.3125, 69.4432**, and if you desaturate by 10%, it is **72.9028, 76.7625, 83.5557**.

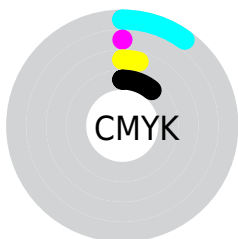
Distribution



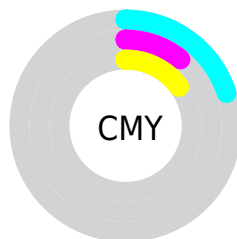
- Red (80%)
- Green (89%)
- Blue (85%)



- Red (80%)
- Yellow (86%)
- Blue (89%)



- Cyan (10%)
- Magenta (0%)
- Yellow (4%)
- Black (11%)



- Cyan (20%)
- Magenta (11%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.8953, 72.7853, 76.2743 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 64.8953, 72.7853, 76.2743 by changing the saturation by 10% instead.

64.8953, 72.7853,
76.2743

64.8953, 72.7853,
76.2743

431.9668,
470.2704, 501.6580

47.6406, 53.8004,
56.1495

110.9659,
123.1724, 129.8782

33.7524, 38.4421,
39.9180

140.5124,
155.3433, 164.1944

22.8654, 26.3260,
27.1613

174.8869,
192.6785, 204.0780

14.6143, 17.0677,
17.4609

214.4548,
235.5622, 249.9477

8.6337, 10.2828,
10.3982

259.5814,
284.3788, 302.2220

4.5582, 5.5868,
5.5547

310.6320,

2.0225, 2.5955,

339.5128, 361.3195

2.5119

367.9720,
401.3485, 427.6586

■ 0.6466, 0.9244,
0.8465

■ 0.0000, 0.0000,
0.0000

■ 64.8953, 72.7853,
76.2743

■ 64.8953, 72.7853,
76.2743

■ 57.8756, 69.3125,
69.4432

■ 72.9028, 76.7625,
83.5557

■ 51.7972, 66.3142,
63.0487

■ 81.9299, 81.2543,
91.2910

■ 46.6187, 63.7713,
57.0832

■ 85.4398, 82.8927,
99.1825

■ 42.2935, 61.6598,
51.5372

■ 86.7605, 83.4209,
106.1368

■ 38.7704, 59.9536,
46.4008

■ 35.9923, 58.6234,
41.6634

■ 33.8944, 57.6360,
37.3141

■ 32.3997, 56.9519,
33.3409

■ 31.3858, 56.5071,
29.7747

Harmonies

Analogous

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



65.9674, 72.7853, 70.7004



64.8953, 72.7853, 76.2743



64.9529, 72.7853, 82.9637

Triad

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



64.8953, 72.7853, 76.2743



70.4648, 72.7853, 92.2670



72.3267, 72.7853, 70.2659

Complementary

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



64.8953, 72.7853, 76.2743



65.4116, 64.3735, 72.5994

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.



73.5872, 72.7853, 75.6504



64.8953, 72.7853, 76.2743



72.4958, 72.7853, 88.4643

Square

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



64.8953, 72.7853, 76.2743



68.1330, 72.7853, 92.4575



73.6498, 72.7853, 82.3038



70.2382, 72.7853, 67.3658

Rectangle

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



64.8953, 72.7853, 76.2743



65.6234, 72.7853, 87.1646



73.6498, 72.7853, 82.3038



72.8633, 72.7853, 71.8312

Sweetspot

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



64.8973, 72.7884, 76.2759



91.7603, 98.3654, 105.9744



66.2045, 73.6500, 67.8543



19.4566, 20.9630, 22.5175



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.



64.8973, 72.7884, 76.2759



82.6056, 93.8237, 97.5190



65.9250, 72.6978, 83.2342



14.5288, 16.2249, 17.0494



18.3630, 32.9773, 17.6778



1.4034, 2.4555, 1.5509

Inverse Universe

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



65.4116, 64.3735, 72.5994



83.3929, 80.9424, 91.8914



64.4471, 64.4267, 66.1666



14.6360, 14.4716, 16.2833



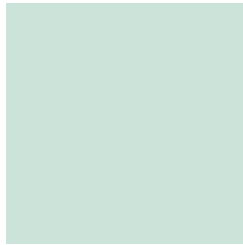
19.8367, 10.0689, 8.0351



1.5118, 0.7624, 0.8356

Previews

White Background



This preview shows how the XYZ color 64.8953, 72.7853, 76.2743 looks on a white background.

Color Contrast Check

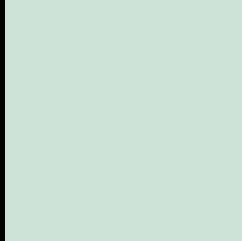
Large Text (above 18pt) WCAG AA × Fail

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 64.8953, 72.7853, 76.2743 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

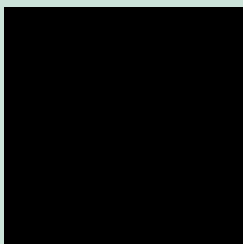
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 64.8953, 72.7853, 76.2743

Background



This preview shows how black text looks on a background with the XYZ color 64.8953, 72.7853, 76.2743.

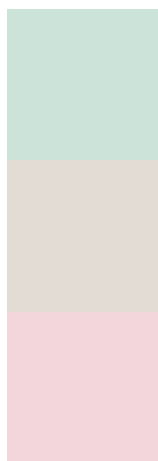


This preview shows how white text looks on a background with the XYZ color 64.8953, 72.7853,

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

64.8953, 72.7853, 76.2743

Protanopia

69.2820, 72.3214, 73.2587

Deuteranopia

73.9270, 72.3151, 77.7720



Tritanopia

68.2773, 72.5361, 93.6214

Trichromacy



Original Color

64.8953, 72.7853, 76.2743

Protanomaly

67.7387, 72.6905, 74.0788

Deuteranomaly

70.4308, 72.4355, 77.2872

Tritanomaly

66.9533, 72.4029, 86.7903

Monochromacy



Original Color

64.8953, 72.7853, 76.2743

Achromatopsia

67.3311, 70.8376, 77.1421

Achromatomaly

66.5077, 71.6006, 76.6446

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.8953, 72.7853, 76.2743 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(204, 227, 217)` looks like.

```
.text, #text, p{  
    color:rgb(204, 227, 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(204, 227, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 227, 217) }
```

Border

The CSS property to change the border of an element to XYZ 64.8953, 72.7853, 76.2743 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(204, 227, 217) }
```


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

```
.border{ border-color:rgb(204, 227, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 227, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 227, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 227, 217);  
box-shadow:4px 4px 4px 4px rgb(204, 227,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 64.8953, 72.7853, 76.2743 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 227, 217) }
```

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

```
.background{ background-color: rgb(204,  
227, 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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