

Converting Colors

XYZ(64.3680, 72.5119, 83.4621)

Have a look what the booklet for
XYZ(64.3680, 72.5119, 83.4621)
contains.

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Color

**XYZ(64.0992, 72.2200,
83.2345)**

Conversions

Conversions Part 1

Format	Color
Hex	C4E3E3
RGB	196, 227, 227
RGB Percent	77%, 89%, 89%
CMY	0.2314, 0.1098, 0.1098
CMYK	0.14, 0.00, 0.00, 0.11
HSL	180°, 36%, 83%
HSV	180°, 14%, 89%
XYZ	64.0992, 72.2200, 83.2345
YIQ	217.7310, -18.4760, -6.5720

Conversions

Conversions Part 2

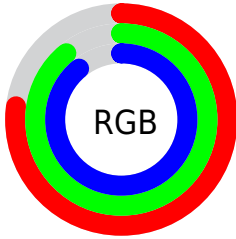
Format	Color
RYB	196, 212, 227
Decimal	12903395
CIELab	88.07, -10.12, -3.43
CIELCh	88, 10.691, 198.726
Yxy	72.2200, 0.2920, 0.3289
Android (android.graphics.Color)	4291093475 (0xFFC4E3E3)
YUV	217.7310, 4.5696, -19.0581
Hunter-Lab	84.9824, -14.0828, 1.4171

Details

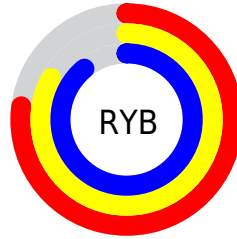
The XYZ color **64.0992, 72.2200, 83.2345** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **61.3849, 59.7983, 60.5347**, and the grayscale version is **66.4357, 69.8955, 76.1162**.

A 20% lighter version of the original color is **94.3180, 99.6226, 108.8657**, and **33.3542, 38.2344, 44.6517** is the 20% darker color. If you saturate the color by 10%, you get **58.6358, 69.4055, 82.9786**, and if you desaturate by 10%, it is **70.4601, 75.5011, 83.5354**.

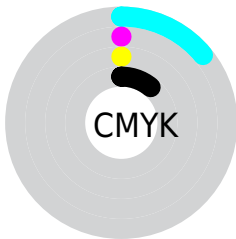
Distribution



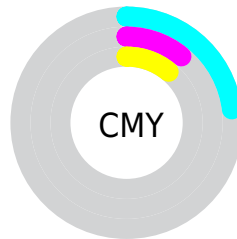
- Red (77%)
- Green (89%)
- Blue (89%)



- Red (77%)
- Yellow (83%)
- Blue (89%)



- Cyan (14%)
- Magenta (0%)
- Yellow (0%)
- Black (11%)



- Cyan (23%)
- Magenta (11%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.0992, 72.2200, 83.2345 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 64.0992, 72.2200, 83.2345 by changing the saturation by 10% instead.

■ 64.0992, 72.2200,
83.2345

■ 64.0992, 72.2200,
83.2345

429.1443,
468.3070, 525.7592

■ 46.9930, 53.3384,
61.8419

109.8267,
122.3693, 139.7560

■ 33.2381, 38.0730,
44.4700

139.1788,
154.4057, 175.7220

■ 22.4690, 26.0393,
30.7003

173.3435,
191.5959, 217.3829

■ 14.3204, 16.8531,
20.1142

212.6862,
234.3243, 265.1571

■ 8.4271, 10.1298,
12.2932

257.5723,
282.9752, 319.4634

■ 4.4235, 5.4851,
6.8187

308.3671,

■ 1.9444, 2.5346,

337.9330, 380.7201

3.2723

365.4360,
399.5821, 449.3458

■ 0.6024, 0.8939,
1.2353

■ 0.0000, 0.0000,
0.0078

■ 64.0992, 72.2200,
83.2345

■ 64.0992, 72.2200,
83.2345

■ 58.6358, 69.4055,
82.9786

■ 70.4601, 75.5011,
83.5354

■ 54.0237, 67.0279,
82.7611

■ 77.7498, 79.2590,
83.8783

■ 50.2219, 65.0681,
82.5814

■ 82.5767, 81.7473,
84.1059

■ 47.1837, 63.5018,
82.4375

■ 82.5771, 81.7475,
84.1076

■ 44.8574, 62.3026,
82.3270

■ 82.5774, 81.7476,
84.1093

■ 43.1852, 61.4406,
82.2470

■ 82.5777, 81.7477,
84.1111

■ 42.1000, 60.8812,
82.1945

■ 82.5780, 81.7479,
84.1128

■ 41.5205, 60.5825,
82.1657

■ 82.5784, 81.7480,
84.1145

■ 41.3329, 60.4858,
82.1558

■ 82.5787, 81.7481,
84.1162

Harmonies

Analogous

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



63.9416, 72.2200, 75.9194



64.0992, 72.2200, 83.2345



65.4562, 72.2200, 89.6787

Triad

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



64.0992, 72.2200, 83.2345



72.3978, 72.2200, 88.2761



69.6069, 72.2200, 65.6411

Complementary

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



64.0992, 72.2200, 83.2345



61.3849, 59.7983, 60.5347

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.



71.9315, 72.2200, 68.5379



64.0992, 72.2200, 83.2345



73.5693, 72.2200, 81.4152

Square

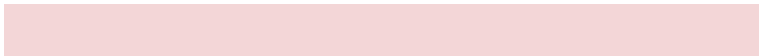
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



64.0992, 72.2200, 83.2345



70.2306, 72.2200, 92.7116



73.3965, 72.2200, 74.2087



67.0794, 72.2200, 66.0611

Rectangle

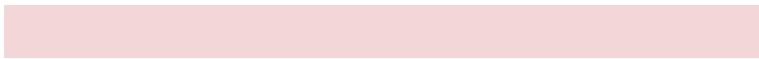
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



64.0992, 72.2200, 83.2345



66.8777, 72.2200, 92.4733



73.3965, 72.2200, 74.2087



70.4390, 72.2200, 66.2516

Sweetspot

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



64.1013, 72.2230, 83.2361



91.3963, 98.1165, 108.7281



60.3346, 70.7319, 62.6985



19.4202, 20.9276, 23.2656



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.



64.1013, 72.2230, 83.2361



81.5993, 93.0660, 108.2669



60.1799, 64.3795, 81.9312



14.8075, 16.3364, 18.5168



24.1044, 35.2739, 47.9114



1.7812, 2.6066, 3.5406

Inverse Universe

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



61.3849, 59.7983, 60.5347



77.5009, 74.3199, 74.0156



64.9351, 66.8993, 61.7163



14.3771, 14.3680, 14.9203



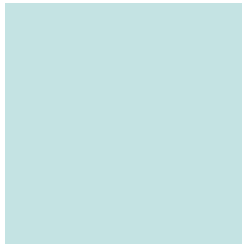
18.4751, 9.5243, 0.8652



1.3653, 0.7038, 0.0640

Previews

White Background



This preview shows how the XYZ color 64.0992, 72.2200, 83.2345 looks on a white background.

Color Contrast Check

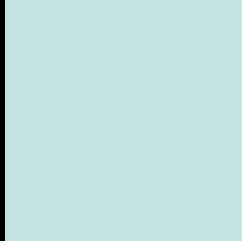
Large Text (above 18pt) WCAG AA × Fail

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 64.0992, 72.2200, 83.2345 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

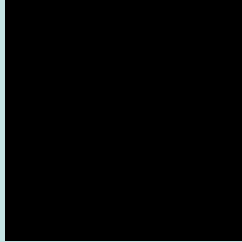
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

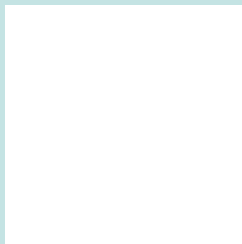
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 64.0992, 72.2200, 83.2345

Background



This preview shows how black text looks on a background with the XYZ color 64.0992, 72.2200, 83.2345.

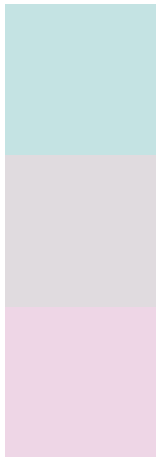


This preview shows how white text looks on a background with the XYZ color 64.0992, 72.2200,

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

64.0992, 72.2200, 83.2345

Protanopia

69.3913, 71.8380, 80.0209

Deuteranopia

73.5894, 71.9834, 84.8785



Tritanopia

66.5054, 72.4033, 94.4744

Trichromacy



Original Color

64.0992, 72.2200, 83.2345

Protanomaly

67.3074, 71.9205, 80.8556

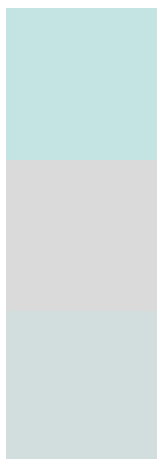
Deuteranomaly

69.9058, 72.0082, 84.3433

Tritanomaly

65.7711, 72.5129, 90.6506

Monochromacy



Original Color

64.0992, 72.2200, 83.2345

Achromatopsia

66.6397, 70.1102, 76.3500

Achromatomaly

65.4859, 70.6350, 78.5891

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.0992, 72.2200, 83.2345 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, 227, 227)` looks like.

```
.text, #text, p{  
    color:rgb(196, 227, 227)  
}
```

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, 227, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 227, 227) }
```

Border

The CSS property to change the border of an element to XYZ 64.0992, 72.2200, 83.2345 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, 227, 227) }
```


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

```
.border{ border-color:rgb(196, 227, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 227, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 227, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 227, 227);  
box-shadow:4px 4px 4px 4px rgb(196, 227,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 64.0992, 72.2200, 83.2345 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 227, 227) }
```

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

```
.background{ background-color: rgb(196,  
227, 227) }
```

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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