

Converting Colors

XYZ(64.4637, 72.4874, 85.5381)

Have a look what the booklet for
XYZ(64.4637, 72.4874, 85.5381)
contains.

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Color

**XYZ(64.2577, 72.2534,
85.4225)**

Conversions

Conversions Part 1

Format	Color
Hex	C3E3E6
RGB	195, 227, 230
RGB Percent	76%, 89%, 90%
CMY	0.2353, 0.1098, 0.0980
CMYK	0.15, 0.01, 0.00, 0.10
HSL	185°, 41%, 83%
HSV	185°, 15%, 90%
XYZ	64.2577, 72.2534, 85.4225
YIQ	217.7740, -20.0350, -5.8510

Conversions

Conversions Part 2

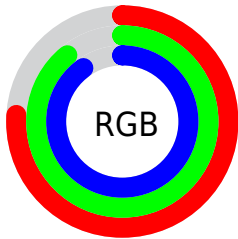
Format	Color
R_{YB}	195, 212, 230
Decimal	12837862
CIE _{Lab}	88.09, -9.83, -4.99
CIE _{LCh}	88, 11.028, 206.921
Yxy	72.2534, 0.2895, 0.3256
Android (android.graphics.Color)	4291027942 (0xFFC3E3E6)
YUV	217.7740, 6.0274, -19.9728
Hunter-Lab	85.0020, -13.8155, -0.0819

Details

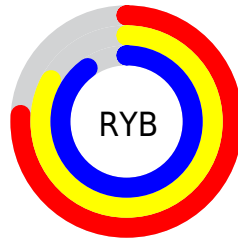
The XYZ color **64.2577, 72.2534, 85.4225** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **62.6782, 61.1513, 60.1310**, and the grayscale version is **66.4563, 69.9172, 76.1398**.

A 20% lighter version of the original color is **93.9549, 99.4354, 108.8487**, and **33.4749, 38.2629, 46.1786** is the 20% darker color. If you saturate the color by 10%, you get **58.2316, 68.3536, 84.9885**, and if you desaturate by 10%, it is **71.2095, 76.6434, 85.9046**.

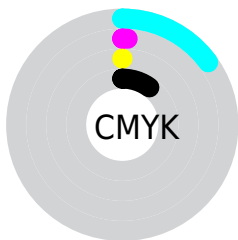
Distribution



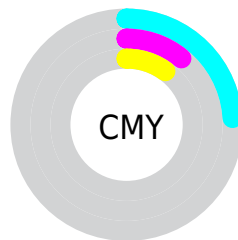
- Red (76%)
- Green (89%)
- Blue (90%)



- Red (76%)
- Yellow (83%)
- Blue (90%)



- Cyan (15%)
- Magenta (1%)
- Yellow (0%)
- Black (10%)



- Cyan (24%)
- Magenta (11%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.2577, 72.2534, 85.4225 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 64.2577, 72.2534, 85.4225 by changing the saturation by 10% instead.

64.2577, 72.2534,
85.4225

64.2577, 72.2534,
85.4225

429.7071,
468.4231, 533.2061

47.1219, 53.3657,
63.6384

110.0536,
122.4167, 142.8427

33.3404, 38.0948,
45.9135

139.4445,
154.4612, 179.3159

22.5478, 26.0563,
31.8294

173.6511,
191.6599, 221.5225

14.3788, 16.8657,
20.9675

213.0387,
234.3975, 269.8811

8.4681, 10.1388,
12.9092

257.9728,
283.0582, 324.8102

4.4502, 5.4911,
7.2361

308.8186,

1.9598, 2.5382,

338.0264, 386.7284

3.5295

365.9416,
399.6866, 456.0542

■ 0.6113, 0.8957,
1.3710

■ 0.0000, 0.0000,
0.1189

■ 64.2577, 72.2534,
85.4225

■ 64.2577, 72.2534,
85.4225

■ 58.2316, 68.3536,
84.9885

■ 71.2095, 76.6434,
85.9046

■ 53.0832, 64.9135,
84.5959

■ 79.1198, 81.5348,
86.4318

■ 48.7695, 61.9128,
84.2440

■ 84.6375, 85.2019,
86.8488

■ 45.2415, 59.3261,
83.9307

■ 85.1979, 86.3227,
87.0356

■ 42.4450, 57.1256,
83.6534

■ 85.7645, 87.4560,
87.2245

■ 40.3189, 55.2797,
83.4091

■ 86.3374, 88.6018,
87.4155

■ 38.7921, 53.7518,
83.1947

■ 86.9166, 89.7602,
87.6085

■ 37.7773, 52.4967,
83.0059

■ 87.5021, 90.9312,
87.8037

■ 37.4056, 51.9581,
82.9215

■ 88.0939, 92.1148,
88.0010

Harmonies

Analogous

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



63.7411, 72.2534, 77.8953



64.2577, 72.2534, 85.4225



65.9477, 72.2534, 91.4605

Triad

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



64.2577, 72.2534, 85.4225



73.0059, 72.2534, 86.8557



68.9470, 72.2534, 65.0601

Complementary

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



64.2577, 72.2534, 85.4225



62.6782, 61.1513, 60.1310

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.



71.4758, 72.2534, 67.1343



64.2577, 72.2534, 85.4225



73.8565, 72.2534, 79.4532

Square

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



64.2577, 72.2534, 85.4225



70.9931, 72.2534, 92.3244



73.2896, 72.2534, 72.2862



66.4073, 72.2534, 66.4360

Rectangle

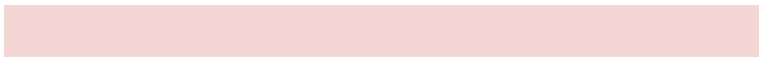
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



64.2577, 72.2534, 85.4225



67.5351, 72.2534, 93.6608



73.2896, 72.2534, 72.2862



69.8270, 72.2534, 65.3736

Sweetspot

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



64.2598, 72.2564, 85.4241



90.1665, 96.9669, 108.5719



60.9872, 72.2704, 64.1123



19.1577, 20.6664, 23.2293



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.



64.2598, 72.2564, 85.4241



78.8917, 89.8278, 107.7882



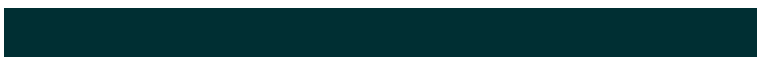
59.7338, 63.2044, 83.9155



14.6964, 16.1141, 18.4801



21.2216, 29.5054, 46.9598



1.5994, 2.2428, 3.4806

Inverse Universe

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



66.0150, 61.4008, 81.0486



81.4886, 73.8794, 101.2896



66.8914, 69.5778, 61.5355



14.9391, 14.5928, 17.8796



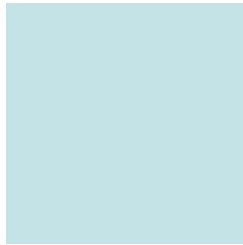
25.1052, 12.1763, 35.7786



1.8710, 0.9061, 2.7269

Previews

White Background



This preview shows how the XYZ color 64.2577, 72.2534, 85.4225 looks on a white background.

Color Contrast Check

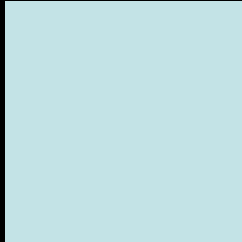
Large Text (above 18pt) WCAG AA × Fail

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 64.2577, 72.2534, 85.4225 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

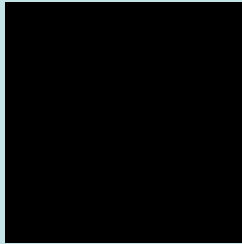
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

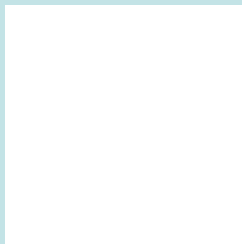
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 64.2577, 72.2534, 85.4225

Background



This preview shows how black text looks on a background with the XYZ color 64.2577, 72.2534, 85.4225.

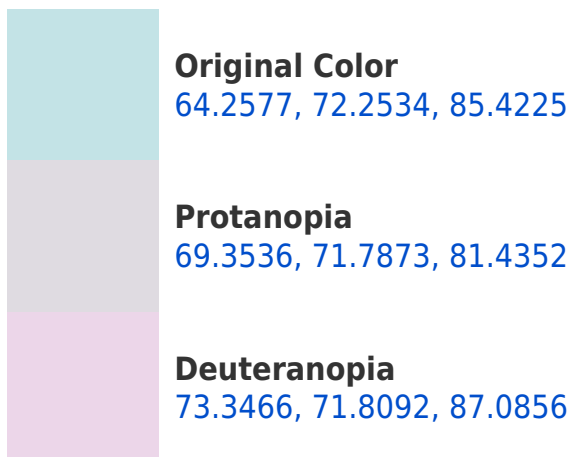


This preview shows how white text looks on a background with the XYZ color 64.2577, 72.2534,

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

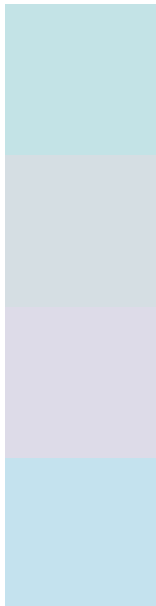




Tritanopia

66.1288, 72.1918, 95.2431

Trichromacy



Original Color

64.2577, 72.2534, 85.4225

Protanomaly

67.4270, 71.9347, 83.0041

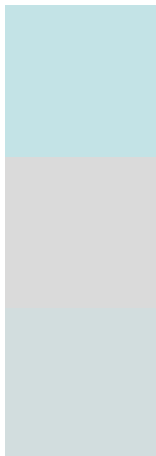
Deuteranomaly

69.7158, 71.8614, 86.5401

Tritanomaly

65.3939, 72.3015, 91.3979

Monochromacy



Original Color

64.2577, 72.2534, 85.4225

Achromatopsia

66.6397, 70.1102, 76.3500

Achromatomaly

65.6196, 70.6885, 79.2930

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.2577, 72.2534, 85.4225 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(195, 227, 230)` looks like.

```
.text, #text, p{  
    color:rgb(195, 227, 230)  
}
```

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(195, 227, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 227, 230) }
```

Border

The CSS property to change the border of an element to XYZ 64.2577, 72.2534, 85.4225 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(195, 227, 230) }
```


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

```
.border{ border-color:rgb(195, 227, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 227, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 227, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 227, 230);  
box-shadow:4px 4px 4px 4px rgb(195, 227,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 64.2577, 72.2534, 85.4225 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 227, 230) }
```

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

```
.background{ background-color: rgb(195,  
227, 230) }
```

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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