

Converting Colors

XYZ(63.9808, 72.2556, 90.6922)

Have a look what the booklet for
XYZ(63.9808, 72.2556, 90.6922)
contains.

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Color

**XYZ(64.0157, 72.4200,
90.7252)**

Conversions

Conversions Part 1

Format	Color
Hex	BDE4ED
RGB	189, 228, 237
RGB Percent	74%, 89%, 93%
CMY	0.2588, 0.1059, 0.0706
CMYK	0.20, 0.04, 0.00, 0.07
HSL	191°, 57%, 84%
HSV	191°, 20%, 93%
XYZ	64.0157, 72.4200, 90.7252
YIQ	217.3650, -26.1330, -5.4690

Conversions

Conversions Part 2

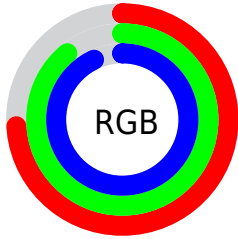
Format	Color
RYB	189, 211, 237
Decimal	12444909
CIELab	88.17, -10.73, -8.60
CIELCh	88, 13.748, 218.700
Yxy	72.4200, 0.2818, 0.3188
Android (android.graphics.Color)	4290634989 (0xFFBDE4ED)
YUV	217.3650, 9.6801, -24.8761
Hunter-Lab	85.0999, -14.6498, -3.6392

Details

The XYZ color **64.0157, 72.4200, 90.7252** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **64.3051, 62.0670, 56.7364**, and the grayscale version is **66.1539, 69.5990, 75.7933**.

A 20% lighter version of the original color is **91.8160, 98.3328, 108.7487**, and **33.2757, 38.3742, 49.3692** is the 20% darker color. If you saturate the color by 10%, you get **57.4044, 67.2226, 90.0716**, and if you desaturate by 10%, it is **71.6233, 78.1814, 91.4375**.

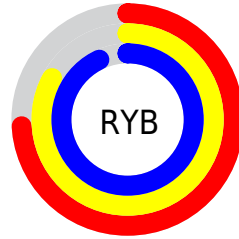
Distribution



Red (74%)

Green (89%)

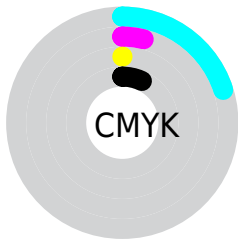
Blue (93%)



Red (74%)

Yellow (83%)

Blue (93%)

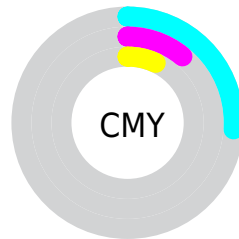


Cyan (20%)

Magenta (4%)

Yellow (0%)

Black (7%)



Cyan (26%)

Magenta (11%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.0157, 72.4200, 90.7252 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 64.0157, 72.4200, 90.7252 by changing the saturation by 10% instead.

■ 64.0157, 72.4200,
90.7252

■ 64.0157, 72.4200,
90.7252

428.8477,
469.0022, 551.0179

■ 46.9251, 53.5018,
68.0052

■ 109.7072,
122.6535, 150.2896

■ 33.1842, 38.2035,
49.4352

139.0387,
154.7376, 187.9711

■ 22.4275, 26.1407,
34.5968

173.1814,
191.9791, 231.4768

■ 14.2897, 16.9289,
23.0714

212.5004,
234.7625, 281.2253

■ 8.4055, 10.1838,
14.4404

257.3612,
283.4721, 337.6352

■ 4.4095, 5.5210,
8.2854

308.1291,

■ 1.9363, 2.5561,

338.4923, 401.1248

4.1877

365.1695,
400.2075, 472.1129

■ 0.5978, 0.9046,
1.7289

■ 0.0000, 0.0000,
0.3804

■ 64.0157, 72.4200,
90.7252

■ 64.0157, 72.4200,
90.7252

■ 57.4044, 67.2226,
90.0716

■ 71.6233, 78.1814,
91.4375

■ 51.7363, 62.5557,
89.4696

■ 80.2644, 84.5207,
92.2056

■ 46.9626, 58.3960,
88.9183

■ 88.0798, 90.4816,
92.9443

■ 43.0278, 54.7142,
88.4150

■ 89.4134, 93.1487,
93.3888

■ 39.8699, 51.4782,
87.9568

■ 90.7792, 95.8803,
93.8441

■ 37.4179, 48.6510,
87.5404

■ 92.1775, 98.6770,
94.3102

■ 35.5873, 46.1886,
87.1615

■ 92.2863, 98.8945,
94.3464

■ 34.2630, 44.0680,
86.8220

Harmonies

Analogous

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



62.7705, 72.4200, 81.6240



64.0157, 72.4200, 90.7252



66.5618, 72.4200, 96.9554

Triad

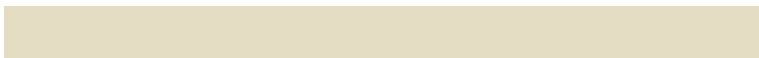
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



64.0157, 72.4200, 90.7252



74.8934, 72.4200, 85.6150



67.8810, 72.4200, 62.2742

Complementary

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



64.0157, 72.4200, 90.7252



64.3051, 62.0670, 56.7364

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.



71.1553, 72.4200, 63.1571



64.0157, 72.4200, 90.7252



75.2739, 72.4200, 76.1456

Square

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



64.0157, 72.4200, 90.7252



72.8624, 72.4200, 93.8455



73.8862, 72.4200, 68.0646



64.9550, 72.4200, 65.5490

Rectangle

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



64.0157, 72.4200, 90.7252



68.6897, 72.4200, 98.3765



73.8862, 72.4200, 68.0646



68.9765, 72.4200, 62.1003

Sweetspot

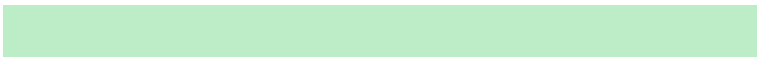
The Sweet Spot groups the original color and five complimentary colors.



64.0178, 72.4230, 90.7268



88.7353, 95.3966, 108.3443



61.4418, 75.4565, 64.6329



18.8518, 20.3148, 23.1775



0.0000, 0.0000, 0.0000



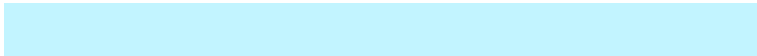
20.3446, 21.4041, 23.3091

Same Dimension

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



64.0178, 72.4230, 90.7268



72.4559, 83.0809, 106.8251



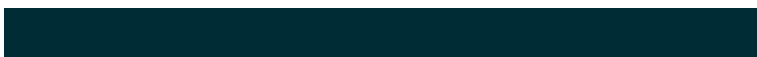
57.9141, 60.2156, 88.6923



15.2637, 16.6139, 19.3246



18.7971, 24.2411, 47.4313



1.5380, 2.0274, 3.7451

Inverse Universe

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



67.1279, 60.0028, 81.4458



76.7449, 66.2577, 93.9573



70.1798, 73.8164, 58.6947



15.5867, 15.2625, 18.3747



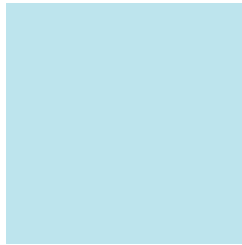
24.3432, 11.9400, 28.6723



1.9428, 0.9501, 2.4161

Previews

White Background



This preview shows how the XYZ color 64.0157, 72.4200, 90.7252 looks on a white background.

Color Contrast Check

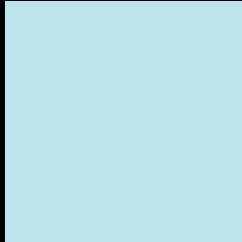
Large Text (above 18pt) WCAG AA × Fail

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 64.0157, 72.4200, 90.7252 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

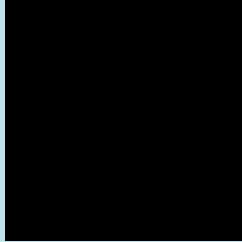
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 64.0157, 72.4200, 90.7252

Background



This preview shows how black text looks on a background with the XYZ color 64.0157, 72.4200, 90.7252.

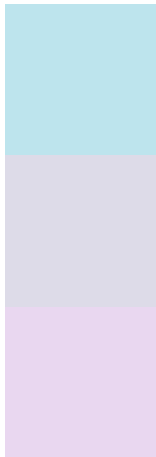


This preview shows how white text looks on a background with the XYZ color 64.0157, 72.4200,

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

64.0157, 72.4200, 90.7252

Protanopia

69.7158, 71.8614, 86.5401

Deuteranopia

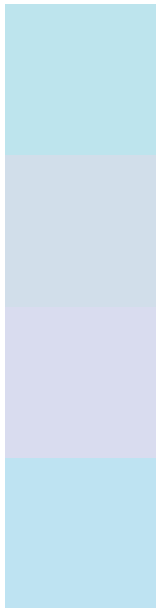
73.6329, 72.2158, 92.4962



Tritanopia

65.4364, 72.6071, 96.9519

Trichromacy



Original Color

64.0157, 72.4200, 90.7252

Protanomaly

67.2671, 71.7384, 88.1434

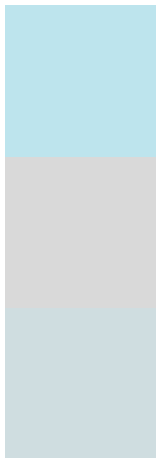
Deuteranomaly

69.7885, 72.1701, 91.9133

Tritanomaly

64.7313, 72.2961, 94.5472

Monochromacy



Original Color

64.0157, 72.4200, 90.7252

Achromatopsia

65.9525, 69.3872, 75.5626

Achromatomaly

65.0431, 70.3601, 80.6737

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.0157, 72.4200, 90.7252 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(189, 228, 237)` looks like.

```
.text, #text, p{  
    color:rgb(189, 228, 237)  
}
```

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(189, 228, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 228, 237) }
```

Border

The CSS property to change the border of an element to XYZ 64.0157, 72.4200, 90.7252 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(189, 228, 237) }
```


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

```
.border{ border-color:rgb(189, 228, 237) }
```

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

Here you see how a box with a 4 pixel rgb(189, 228, 237) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 228, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 228, 237);  
box-shadow:4px 4px 4px 4px rgb(189, 228,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 64.0157, 72.4200, 90.7252 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 228, 237) }
```

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

```
.background{ background-color: rgb(189,  
228, 237) }
```

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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