

Converting Colors

XYZ(65.4474, 71.7752, 89.5343)

Have a look what the booklet for
XYZ(65.4474, 71.7752, 89.5343)
contains.

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Color

**XYZ(65.6187, 72.0487,
89.8052)**

Conversions

Conversions Part 1

Format	Color
Hex	C7E1EC
RGB	199, 225, 236
RGB Percent	78%, 88%, 93%
CMY	0.2196, 0.1176, 0.0745
CMYK	0.16, 0.05, 0.00, 0.07
HSL	198°, 49%, 85%
HSV	198°, 16%, 93%
XYZ	65.6187, 72.0487, 89.8052
YIQ	218.4800, -19.0270, -2.0910

Conversions

Conversions Part 2

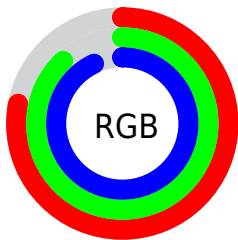
Format	Color
R _Y B	199, 214, 236
Decimal	13099500
CIE Lab	87.99, -6.33, -8.26
CIE LCh	88, 10.412, 232.542
Yxy	72.0487, 0.2885, 0.3167
Android (android.graphics.Color)	4291289580 (0xFFC7E1EC)
YUV	218.4800, 8.6374, -17.0840
Hunter-Lab	84.8815, -10.5510, -3.3122

Details

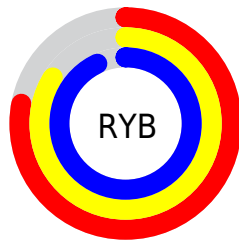
The XYZ color **65.6187, 72.0487, 89.8052** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **67.9479, 68.0493, 63.5877**, and the grayscale version is **66.9252, 70.4106, 76.6771**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **34.2900, 38.0645, 48.7199** is the 20% darker color. If you saturate the color by 10%, you get **57.9791, 65.3547, 88.9169**, and if you desaturate by 10%, it is **74.3115, 79.4051, 90.7681**.

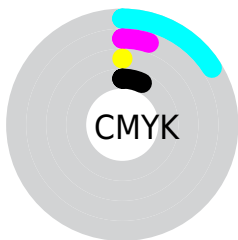
Distribution



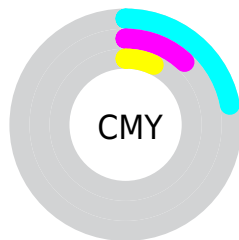
- Red (78%)
- Green (88%)
- Blue (93%)



- Red (78%)
- Yellow (84%)
- Blue (93%)



- Cyan (16%)
- Magenta (5%)
- Yellow (0%)
- Black (7%)



- Cyan (22%)
- Magenta (12%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 65.6187, 72.0487, 89.8052 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 65.6187, 72.0487, 89.8052 by changing the saturation by 10% instead.

■ 65.6187, 72.0487,
89.8052

■ 65.6187, 72.0487,
89.8052

434.5221,
467.7111, 547.9507

■ 48.2295, 53.1985,
67.2463

111.9997,
122.1258, 149.0009

■ 34.2207, 37.9612,
48.8219

141.7221,
154.1214, 186.4748

■ 23.2269, 25.9526,
34.1137

176.2864,
191.2676, 229.7575

■ 14.8827, 16.7882,
22.7029

216.0578,
233.9488, 279.2674

■ 8.8229, 10.0836,
14.1710

261.4017,
282.5493, 335.4231

■ 4.6820, 5.4544,
8.0996

312.6835,

■ 2.0948, 2.5163,

337.4536, 398.6432

4.0701

370.2685,
399.0461, 469.3463

■ 0.6864, 0.8848,
1.6639

■ 0.0000, 0.0000,
0.3358

■ 65.6187, 72.0487,
89.8052

■ 65.6187, 72.0487,
89.8052

■ 57.9791, 65.3547,
88.9169

■ 74.3115, 79.4051,
90.7681

■ 51.3408, 59.2893,
88.0961

■ 84.0939, 87.4382,
91.8031

■ 45.6569, 53.8288,
87.3417

■ 89.3508, 93.2567,
92.6491

■ 40.8740, 48.9443,
86.6509

■ 91.5253, 97.6058,
93.3739

■ 36.9331, 44.6038,
86.0209

■ 92.1405, 98.8362,
93.5790

■ 33.7677, 40.7717,
85.4480

■ 31.3005, 37.4065,
84.9285

■ 29.4359, 34.4575,
84.4576

■ 28.7512, 33.2775,
84.2659

Harmonies

Analogous

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



64.1666, 72.0487, 83.8056



65.6187, 72.0487, 89.8052



67.8626, 72.0487, 92.7951

Triad

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



65.6187, 72.0487, 89.8052



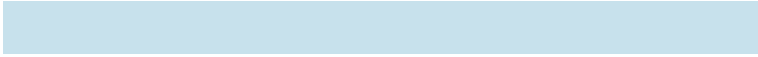
73.3216, 72.0487, 80.2361



66.6670, 72.0487, 66.4911

Complementary

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



65.6187, 72.0487, 89.8052



67.9479, 68.0493, 63.5877

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.



69.1014, 72.0487, 65.6630



65.6187, 72.0487, 89.8052



72.9828, 72.0487, 73.3252

Square

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



65.6187, 72.0487, 89.8052



72.3384, 72.0487, 87.0576



71.4236, 72.0487, 68.0925



64.7615, 72.0487, 70.4271

Rectangle

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



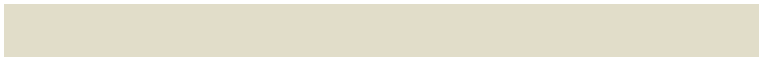
65.6187, 72.0487, 89.8052



69.5216, 72.0487, 92.5599



71.4236, 72.0487, 68.0925



67.4491, 72.0487, 65.8501

Sweetspot

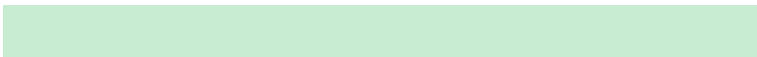
The Sweet Spot groups the original color and five complimentary colors.



65.6208, 72.0517, 89.8068



89.3168, 95.2675, 108.2887



65.1184, 76.7617, 72.0215



18.9507, 20.2523, 23.1602



0.0000, 0.0000, 0.0000



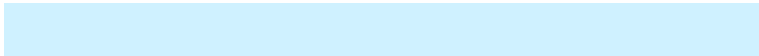
20.3446, 21.4041, 23.3091

Same Dimension

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



65.6208, 72.0517, 89.8068



74.9936, 83.0948, 106.6941



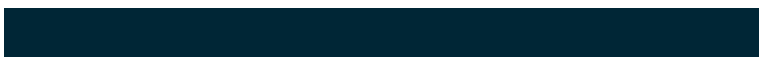
61.0116, 62.8333, 88.2704



15.1178, 16.3220, 19.2759



15.9660, 18.5790, 46.4876



1.3368, 1.6251, 3.6781

Inverse Universe

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



68.6078, 64.1174, 79.9975



79.2615, 71.9949, 92.6251



72.6409, 77.4353, 65.1520



15.5130, 15.2330, 17.9867



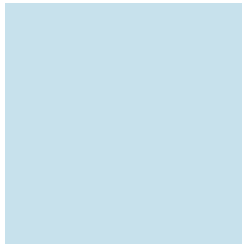
22.9142, 11.3684, 21.1474



1.8413, 0.9095, 1.8814

Previews

White Background



This preview shows how the XYZ color 65.6187, 72.0487, 89.8052 looks on a white background.

Color Contrast Check

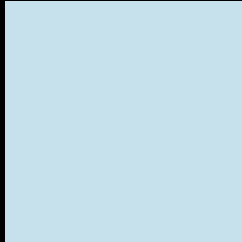
Large Text (above 18pt) WCAG AA × Fail

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 65.6187, 72.0487, 89.8052 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

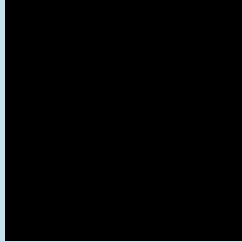
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 65.6187, 72.0487, 89.8052

Background



This preview shows how black text looks on a background with the XYZ color 65.6187, 72.0487, 89.8052.

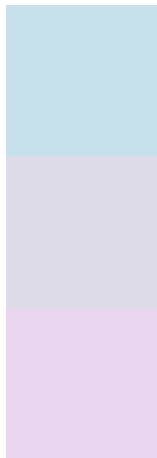


This preview shows how white text looks on a background with the XYZ color 65.6187, 72.0487,

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

65.6187, 72.0487, 89.8052

Protanopia

69.7158, 71.8614, 86.5401

Deuteranopia

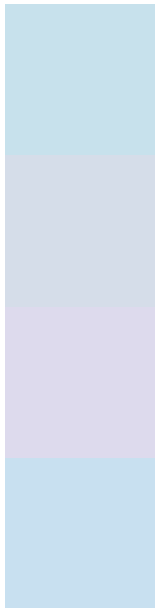
73.4109, 71.7586, 90.8705



Tritanopia

66.5021, 72.0015, 94.3970

Trichromacy



Original Color

65.6187, 72.0487, 89.8052

Protanomaly

68.0050, 71.7422, 87.3542

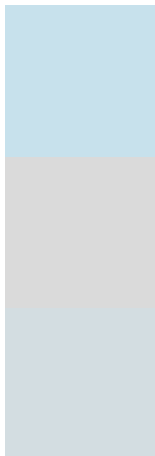
Deuteranomaly

70.1763, 71.6294, 90.2479

Tritanomaly

66.2032, 71.8819, 92.8234

Monochromacy



Original Color

65.6187, 72.0487, 89.8052

Achromatopsia

66.6397, 70.1102, 76.3500

Achromatomaly

66.3110, 70.9980, 81.4432

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.6187, 72.0487, 89.8052 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(199, 225, 236)` looks like.

```
.text, #text, p{  
    color:rgb(199, 225, 236)  
}
```

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(199, 225, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 225, 236) }
```

Border

The CSS property to change the border of an element to XYZ 65.6187, 72.0487, 89.8052 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(199, 225, 236) }
```


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

```
.border{ border-color:rgb(199, 225, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 225, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 225, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 225, 236);  
box-shadow:4px 4px 4px 4px rgb(199, 225,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 65.6187, 72.0487, 89.8052 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 225, 236) }
```

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

```
.background{ background-color: rgb(199,  
225, 236) }
```

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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