

Converting Colors

XYZ(64.0281, 64.4150, 86.9006)

Have a look what the booklet for
XYZ(64.0281, 64.4150, 86.9006)
contains.

XYZ(64.0281, 64.4150, 86.9006)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(64.0281, 64.4150,
86.9006)**

Conversions

Conversions Part 1

Format	Color
Hex	D3CFEA
RGB	211, 207, 234
RGB Percent	83%, 81%, 92%
CMY	0.1725, 0.1882, 0.0823
CMYK	0.10, 0.12, 0.00, 0.08
HSL	249°, 39%, 86%
HSV	249°, 12%, 92%
XYZ	64.0281, 64.4150, 86.9006
YIQ	211.2740, -6.2830, 9.2450

Conversions

Conversions Part 2

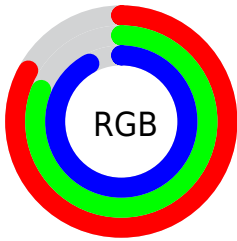
Format	Color
R _Y B	211, 207, 234
Decimal	13881322
CIE Lab	84.18, 6.49, -12.79
CIE LCh	84, 14.344, 296.914
Yxy	64.4150, 0.2973, 0.2991
Android (android.graphics.Color)	4292071402 (0xFFD3CFEA)
YUV	211.2740, 11.2039, -0.2403
Hunter-Lab	80.2590, 1.9486, -8.0151

Details

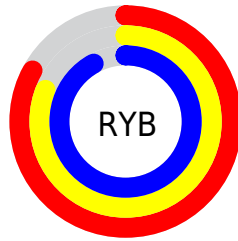
The XYZ color **64.0281, 64.4150, 86.9006** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **73.3206, 80.1752, 70.6454**, and the grayscale version is **62.0308, 65.2612, 71.0695**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **33.1374, 33.0647, 46.7551** is the 20% darker color. If you saturate the color by 10%, you get **53.4126, 51.1426, 84.8993**, and if you desaturate by 10%, it is **76.1959, 79.7383, 89.2180**.

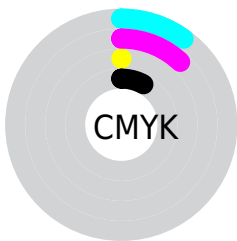
Distribution



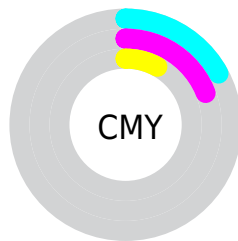
- Red (83%)
- Green (81%)
- Blue (92%)



- Red (83%)
- Yellow (81%)
- Blue (92%)



- Cyan (10%)
- Magenta (12%)
- Yellow (0%)
- Black (8%)



- Cyan (17%)
- Magenta (19%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.0281, 64.4150, 86.9006 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 64.0281, 64.4150, 86.9006 by changing the saturation by 10% instead.

■ 64.0281, 64.4150,
86.9006

■ 64.0281, 64.4150,
86.9006

428.8917,
440.6867, 538.2039

■ 46.9352, 46.9869,
64.8538

109.7249,
111.2084, 144.9232

■ 33.1922, 33.0253,
46.8919

139.0595,
141.3424, 181.7361

■ 22.4336, 22.1458,
32.5965

173.2054,
176.4806, 224.3082

■ 14.2943, 13.9641,
21.5489

212.5280,
217.0073, 273.0578

■ 8.4087, 8.0957,
13.3307

257.3925,
263.3068, 328.4037

■ 4.4115, 4.1562,
7.5233

308.1644,

■ 1.9375, 1.7613,

315.7636, 390.7643

3.7081

365.2090,
374.7622, 460.5582

■ 0.5985, 0.4629,
1.4666

■ 0.0000, 0.0000,
0.1929

■ 64.0281, 64.4150,
86.9006

■ 64.0281, 64.4150,
86.9006

■ 53.4126, 51.1426,
84.8993

■ 76.1959, 79.7383,
89.2180

■ 44.2811, 39.8259,
83.1962

■ 89.9692, 97.1860,
91.8598

■ 36.5684, 30.3745,
81.7784

■ 91.8515, 98.7206,
92.0568

■ 30.2024, 22.6874,
80.6302

■ 25.1047, 16.6543,
79.7344

■ 21.1882, 12.1520,
79.0717

■ 18.3549, 9.0401,
78.6204

■ 16.4898, 7.1514,
78.3542

■ 15.5328, 6.2918,
78.2387

Harmonies

Analogous

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



60.8967, 64.4150, 89.0726



64.0281, 64.4150, 86.9006



66.4802, 64.4150, 80.1149

Triad

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



64.0281, 64.4150, 86.9006



64.6160, 64.4150, 56.4914



55.3318, 64.4150, 69.2005

Complementary

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



64.0281, 64.4150, 86.9006



73.3206, 80.1752, 70.6454

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.



56.2534, 64.4150, 61.0239



64.0281, 64.4150, 86.9006



61.5536, 64.4150, 54.0953

Square

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



64.0281, 64.4150, 86.9006



66.8278, 64.4150, 62.5209



58.5040, 64.4150, 55.6810



55.9435, 64.4150, 78.3477

Rectangle

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



64.0281, 64.4150, 86.9006



67.3619, 64.4150, 74.1681



58.5040, 64.4150, 55.6810



55.4718, 64.4150, 66.2546

Sweetspot

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



64.0300, 64.4177, 86.9020



90.3007, 94.0006, 107.9923



68.9937, 76.0242, 88.8807



19.0628, 19.7853, 23.0642



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.



64.0300, 64.4177, 86.9020



74.3824, 73.9808, 104.9671



67.9377, 66.4322, 87.0849



14.4388, 14.6559, 18.9901



8.7926, 3.5687, 43.9684



0.7546, 0.3133, 3.4556

Inverse Universe

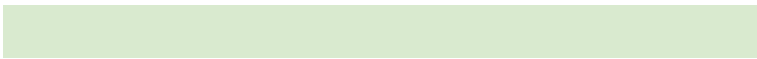
The Inverse Universe completely reimagines the original color for something new.



70.5295, 67.8339, 84.2417



83.8603, 78.9639, 101.0290



69.2728, 78.0885, 70.4560



15.6133, 15.2732, 18.5152



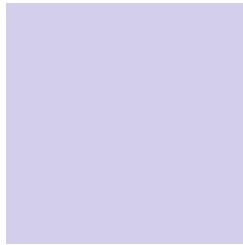
24.9206, 12.1709, 31.7130



1.9830, 0.9662, 2.6277

Previews

White Background



This preview shows how the XYZ color 64.0281, 64.4150, 86.9006 looks on a white background.

Color Contrast Check

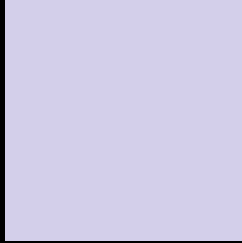
Large Text (above 18pt) WCAG AA × Fail

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 64.0281, 64.4150, 86.9006 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

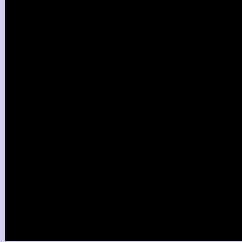
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 64.0281, 64.4150, 86.9006

Background



This preview shows how black text looks on a background with the XYZ color 64.0281, 64.4150, 86.9006.



This preview shows how white text looks on a background with the XYZ color 64.0281, 64.4150,

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

64.0281, 64.4150, 86.9006

Protanopia

63.0049, 64.2317, 87.6745

Deuteranopia

65.8017, 64.2440, 87.5295



Tritanopia

62.9694, 64.7388, 80.4112

Trichromacy



Original Color

64.0281, 64.4150, 86.9006

Protanomaly

63.5637, 64.5198, 87.7007

Deuteranomaly

65.1456, 64.2597, 87.5671

Tritanomaly

63.1378, 64.4148, 82.5044

Monochromacy



Original Color

64.0281, 64.4150, 86.9006

Achromatopsia

61.9161, 65.1406, 70.9381

Achromatomaly

62.6967, 65.0565, 76.2705

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.0281, 64.4150, 86.9006 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(211, 207, 234)` looks like.

```
.text, #text, p{  
    color:rgb(211, 207, 234)  
}
```

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(211, 207, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 207, 234) }
```

Border

The CSS property to change the border of an element to XYZ 64.0281, 64.4150, 86.9006 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(211, 207, 234) }
```


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

```
.border{ border-color:rgb(211, 207, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 207, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 207, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 207, 234);  
box-shadow:4px 4px 4px 4px rgb(211, 207,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 64.0281, 64.4150, 86.9006 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 207, 234) }
```

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

```
.background{ background-color: rgb(211,  
207, 234) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor