

Converting Colors

XYZ(64.4490, 62.0533, 84.9622)

Have a look what the booklet for
XYZ(64.4490, 62.0533, 84.9622)
contains.

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Color

**XYZ(64.4332, 62.1948,
84.9527)**

Conversions

Conversions Part 1

Format	Color
Hex	DBC8E8
RGB	219, 200, 232
RGB Percent	86%, 78%, 91%
CMY	0.1412, 0.2157, 0.0902
CMYK	0.06, 0.14, 0.00, 0.09
HSL	276°, 41%, 85%
HSV	276°, 14%, 91%
XYZ	64.4332, 62.1948, 84.9527
YIQ	209.3290, 1.0520, 13.9800

Conversions

Conversions Part 2

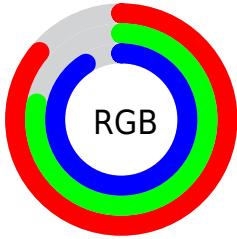
Format	Color
R _Y B	219, 200, 232
Decimal	14403816
CIE Lab	83.02, 12.43, -13.40
CIE LCh	83, 18.282, 312.857
Yxy	62.1948, 0.3045, 0.2940
Android (android.graphics.Color)	4292593896 (0xFFDBC8E8)
YUV	209.3290, 11.1768, 8.4815
Hunter-Lab	78.8637, 7.8266, -8.6632

Details

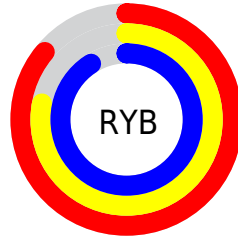
The XYZ color **64.4332, 62.1948, 84.9527** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **66.7247, 76.0310, 65.8053**, and the grayscale version is **60.7495, 63.9132, 69.6015**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **33.4252, 31.5849, 45.4091** is the 20% darker color. If you saturate the color by 10%, you get **56.7071, 50.8330, 83.1678**, and if you desaturate by 10%, it is **73.1389, 75.2752, 87.0196**.

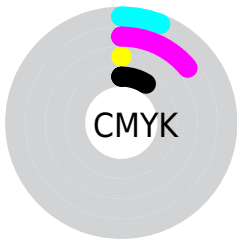
Distribution



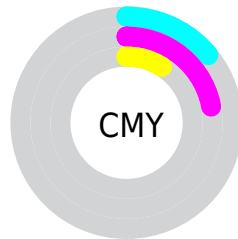
- Red (86%)
- Green (78%)
- Blue (91%)



- Red (86%)
- Yellow (78%)
- Blue (91%)



- Cyan (6%)
- Magenta (14%)
- Yellow (0%)
- Black (9%)



- Cyan (14%)
- Magenta (22%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.4332, 62.1948, 84.9527 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 64.4332, 62.1948, 84.9527 by changing the saturation by 10% instead.

64.4332, 62.1948,
84.9527

64.4332, 62.1948,
84.9527

430.3298,
432.6413, 531.6121

47.2646, 45.1901,
63.2524

110.3048,
108.0070, 142.1807

33.4537, 31.6072,
45.6031

139.7386,
137.5834, 178.5454

22.6351, 21.0617,
31.5863

173.9915,
172.1190, 220.6353

14.4435, 13.1691,
20.7835

213.4288,
211.9984, 268.8690

8.5136, 7.5451,
12.7762

258.4159,
257.6060, 323.6650

4.4798, 3.8053,
7.1457

309.3182,

1.9770, 1.5652,

309.3260, 385.4418

3.4735

366.5011,
367.5430, 454.6180

■ 0.6210, 0.3340,
1.3412

■ 0.0000, 0.0000,
0.0952

■ 64.4332, 62.1948,
84.9527

■ 64.4332, 62.1948,
84.9527

■ 56.7071, 50.8330,
83.1678

■ 73.1389, 75.2752,
87.0196

■ 49.9158, 41.1073,
81.6485

■ 82.8554, 90.1363,
89.3759

■ 44.0190, 32.9401,
80.3829

■ 88.7818, 97.1712,
90.4215

■ 38.9710, 26.2443,
79.3565

■ 91.5657, 98.6063,
90.5517

■ 34.7219, 20.9239,
78.5535

■ 31.2154, 16.8713,
77.9561

■ 28.3873, 13.9618,
77.5436

■ 26.1595, 12.0444,
77.2909

■ 25.0047, 11.2078,
77.1903

Harmonies

Analogous

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



60.8208, 62.1948, 91.2216



64.4332, 62.1948, 84.9527



66.6745, 62.1948, 74.3370

Triad

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



64.4332, 62.1948, 84.9527



61.3819, 62.1948, 48.9851



52.0132, 62.1948, 72.6768

Complementary

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



64.4332, 62.1948, 84.9527



66.7247, 76.0310, 65.8053

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.



52.1483, 62.1948, 61.5070



64.4332, 62.1948, 84.9527



57.4400, 62.1948, 48.6464

Square

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



64.4332, 62.1948, 84.9527



64.8597, 62.1948, 53.9736



54.0965, 62.1948, 52.9904



53.7186, 62.1948, 83.6212

Rectangle

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



64.4332, 62.1948, 84.9527



67.0306, 62.1948, 66.6411



54.0965, 62.1948, 52.9904



51.8471, 62.1948, 68.8096

Sweetspot

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



64.4351, 62.1975, 84.9541



90.3737, 92.8864, 107.7734



62.2654, 65.8644, 85.7762



19.1603, 19.6037, 23.0240



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.



64.4351, 62.1975, 84.9541



76.5608, 72.2035, 104.5092



68.1242, 64.1427, 83.1644



14.3992, 14.3080, 18.1471



14.0276, 6.2974, 42.8594



1.1412, 0.5193, 3.1720

Inverse Universe

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



65.9453, 63.2711, 71.6905



78.8756, 73.8440, 84.4168



63.4180, 74.2901, 67.2917



14.6185, 14.4646, 16.1913



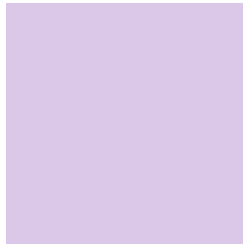
19.6618, 9.9989, 7.1139



1.4980, 0.7569, 0.7631

Previews

White Background



This preview shows how the XYZ color 64.4332, 62.1948, 84.9527 looks on a white background.

Color Contrast Check

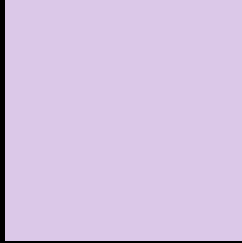
Large Text (above 18pt) WCAG AA × Fail

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 64.4332, 62.1948, 84.9527 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

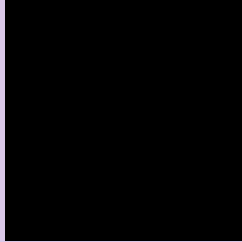
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 64.4332, 62.1948, 84.9527

Background



This preview shows how black text looks on a background with the XYZ color 64.4332, 62.1948, 84.9527.



This preview shows how white text looks on a background with the XYZ color 64.4332, 62.1948,

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

64.4332, 62.1948, 84.9527

Protanopia

61.1838, 62.2174, 87.3817

Deuteranopia

63.4765, 62.0466, 84.9745



Tritanopia

62.3907, 62.0547, 75.0191

Trichromacy



Original Color

64.4332, 62.1948, 84.9527

Protanomaly

62.2196, 62.0623, 86.5418

Deuteranomaly

63.7710, 62.1984, 84.9883

Tritanomaly

63.1194, 62.0064, 78.4537

Monochromacy



Original Color

64.4332, 62.1948, 84.9527

Achromatopsia

60.6036, 63.7597, 69.4343

Achromatomaly

62.0363, 63.2985, 74.5938

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.4332, 62.1948, 84.9527 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(219, 200, 232) looks like.

```
.text, #text, p{  
    color:rgb(219, 200, 232)  
}
```

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(219, 200, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 200, 232) }
```

Border

The CSS property to change the border of an element to XYZ 64.4332, 62.1948, 84.9527 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(219, 200, 232) }
```


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

```
.border{ border-color:rgb(219, 200, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 200, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 200, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 200, 232);  
box-shadow:4px 4px 4px 4px rgb(219, 200,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 64.4332, 62.1948, 84.9527 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 200, 232) }
```

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

```
.background{ background-color: rgb(219,  
200, 232) }
```

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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