

Converting Colors

XYZ(64.7649, 62.1448, 90.7650)

Have a look what the booklet for
XYZ(64.7649, 62.1448, 90.7650)
contains.

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Color

**XYZ(64.9977, 62.3515,
91.0474)**

Conversions

Conversions Part 1

Format	Color
Hex	D9C8F0
RGB	217, 200, 240
RGB Percent	85%, 78%, 94%
CMY	0.1490, 0.2157, 0.0588
CMYK	0.10, 0.17, 0.00, 0.06
HSL	265°, 57%, 86%
HSV	265°, 17%, 94%
XYZ	64.9977, 62.3515, 91.0474
YIQ	209.6430, -2.7080, 16.0440

Conversions

Conversions Part 2

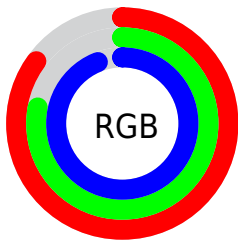
Format	Color
R _Y B	217, 200, 240
Decimal	14272752
CIE Lab	83.10, 13.36, -17.56
CIE LCh	83, 22.062, 307.255
Yxy	62.3515, 0.2976, 0.2855
Android (android.graphics.Color)	4292462832 (0xFFD9C8F0)
YUV	209.6430, 14.9660, 6.4521
Hunter-Lab	78.9630, 8.7456, -13.0896

Details

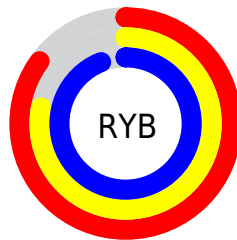
The XYZ color **64.9977, 62.3515, 91.0474** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **72.0190, 82.1799, 66.7130**, and the grayscale version is **60.9325, 64.1057, 69.8111**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **33.8309, 31.6998, 49.6830** is the 20% darker color. If you saturate the color by 10%, you get **55.9380, 50.0686, 89.1550**, and if you desaturate by 10%, it is **75.2767, 76.5614, 93.2494**.

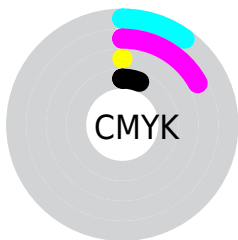
Distribution



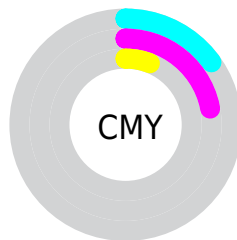
- Red (85%)
- Green (78%)
- Blue (94%)



- Red (85%)
- Yellow (78%)
- Blue (94%)



- Cyan (10%)
- Magenta (17%)
- Yellow (0%)
- Black (6%)



- Cyan (15%)
- Magenta (22%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.9977, 62.3515, 91.0474 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 64.9977, 62.3515, 91.0474 by changing the saturation by 10% instead.

64.9977, 62.3515,
91.0474

64.9977, 62.3515,
91.0474

432.3290,
433.2121, 552.0899

47.7239, 45.3168,
68.2711

111.1123,
108.2334, 150.7406

33.8186, 31.7070,
49.6502

140.6838,
137.8493, 188.4946

22.9165, 21.1378,
34.7663

175.0852,
172.4278, 232.0783

14.6522, 13.2248,
23.2008

214.6820,
212.3532, 281.9101

8.6604, 7.5835,
14.5352

259.8394,
258.0100, 338.4086

4.5757, 3.8296,
8.3508

310.9228,

2.0327, 1.5787,

309.7824, 401.9924

4.2293

368.2975,
368.0550, 473.0800

■ 0.6522, 0.3432,
1.7519

■ 0.0000, 0.0000,
0.3960

■ 64.9977, 62.3515,
91.0474

■ 64.9977, 62.3515,
91.0474

■ 55.9380, 50.0686,
89.1550

■ 75.2767, 76.5614,
93.2494

■ 48.0430, 39.6194,
87.5542

■ 86.8154, 92.7705,
95.7699

■ 41.2621, 30.9143,
86.2314

■ 92.7284, 99.0713,
96.6744

■ 35.5385, 23.8531,
85.1701

■ 30.8096, 18.3249,
84.3523

■ 27.0056, 14.2046,
83.7575

■ 24.0457, 11.3460,
83.3617

■ 21.8301, 9.5658,
83.1349

■ 21.2070, 9.1157,
83.0808

Harmonies

Analogous

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



60.4305, 62.3515, 97.4623



64.9977, 62.3515, 91.0474



68.1416, 62.3515, 78.5740

Triad

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



64.9977, 62.3515, 91.0474



62.8849, 62.3515, 46.4103



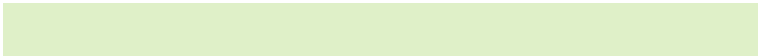
50.6128, 62.3515, 71.2658

Complementary

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



64.9977, 62.3515, 91.0474



72.0190, 82.1799, 66.7130

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.



51.1916, 62.3515, 58.2216



64.9977, 62.3515, 91.0474



58.1111, 62.3515, 45.0012

Square

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



64.9977, 62.3515, 91.0474



66.8767, 62.3515, 53.1820



53.8764, 62.3515, 49.0356



52.2507, 62.3515, 85.0872

Rectangle

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



64.9977, 62.3515, 91.0474



68.9167, 62.3515, 69.1574



53.8764, 62.3515, 49.0356



50.5562, 62.3515, 66.6385

Sweetspot

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



64.9996, 62.3541, 91.0488



88.4705, 90.7691, 107.4650



66.0266, 71.5265, 92.7651



18.7447, 19.1607, 22.9604



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.



64.9996, 62.3541, 91.0488



70.9045, 66.5217, 103.7106



71.1981, 65.5496, 91.3389



15.5341, 15.5570, 19.9057



11.7537, 5.0646, 45.4860



1.0892, 0.4787, 3.7892

Inverse Universe

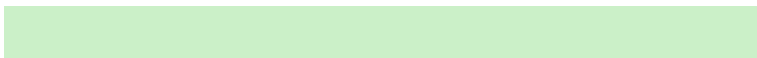
The Inverse Universe completely reimagines the original color for something new.



69.9108, 65.1642, 78.7082



77.5876, 70.3476, 86.8249



66.3071, 79.2353, 66.4457



16.1538, 15.9112, 18.3661



22.2510, 11.1728, 14.5042



1.9007, 0.9493, 1.4681

Previews

White Background



This preview shows how the XYZ color 64.9977, 62.3515, 91.0474 looks on a white background.

Color Contrast Check

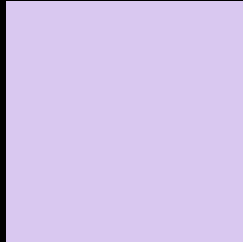
Large Text (above 18pt) WCAG AA × Fail

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 64.9977, 62.3515, 91.0474 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

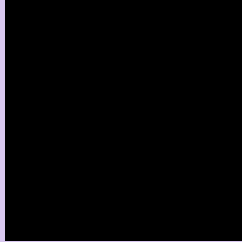
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 64.9977, 62.3515, 91.0474

Background



This preview shows how black text looks on a background with the XYZ color 64.9977, 62.3515, 91.0474.



This preview shows how white text looks on a background with the XYZ color 64.9977, 62.3515,

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

64.9977, 62.3515, 91.0474

Protanopia

61.8284, 62.4131, 93.5822

Deuteranopia

64.0001, 62.5294, 91.1343



Tritanopia

62.2427, 62.6492, 76.5221

Trichromacy



Original Color

64.9977, 62.3515, 91.0474

Protanomaly

62.8365, 62.2445, 92.7069

Deuteranomaly

64.3464, 62.3607, 91.0835

Tritanomaly

63.2454, 62.7050, 81.4429

Monochromacy



Original Color

64.9977, 62.3515, 91.0474

Achromatopsia

61.2578, 64.4480, 70.1838

Achromatomaly

62.5630, 63.5092, 77.3677

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.9977, 62.3515, 91.0474 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(217, 200, 240)` looks like.

```
.text, #text, p{  
    color:rgb(217, 200, 240)  
}
```

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(217, 200, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 200, 240) }
```

Border

The CSS property to change the border of an element to XYZ 64.9977, 62.3515, 91.0474 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(217, 200, 240) }
```


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

```
.border{ border-color:rgb(217, 200, 240) }
```

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

Here you see how a box with a 4 pixel rgb(217, 200, 240) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 200, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 200, 240);  
box-shadow:4px 4px 4px 4px rgb(217, 200,  
240) }
```

Background

The CSS property to change the background color of an element to XYZ 64.9977, 62.3515, 91.0474 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 200, 240) }
```

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

```
.background{ background-color: rgb(217,  
200, 240) }
```

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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