

Converting Colors

XYZ(69.5796, 64.7088,
132.0389)

Have a look what the booklet for
XYZ(69.5796, 64.7088, 132.0389)
contains.

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Color

**XYZ(64.3078, 62.7692,
103.3340)**

Conversions

Conversions Part 1

Format	Color
Hex	CCCBFF
RGB	204, 203, 255
RGB Percent	80%, 80%, 100%
CMY	0.2000, 0.2039, 0.0000
CMYK	0.20, 0.20, 0.00, 0.00
HSL	241°, 100%, 90%
HSV	241°, 20%, 100%
XYZ	64.3078, 62.7692, 103.3340
YIQ	209.2270, -16.0960, 16.3840

Conversions

Conversions Part 2

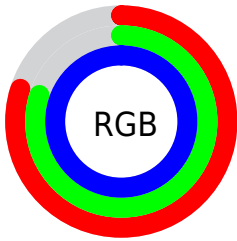
Format	Color
RYB	204, 203, 255
Decimal	13421567
CIELab	83.32, 10.84, -25.30
CIELCh	83, 27.525, 293.192
Yxy	62.7692, 0.2791, 0.2724
Android (android.graphics.Color)	4291611647 (0xFFCCCBFF)
YUV	209.2270, 22.5661, -4.5841
Hunter-Lab	79.2270, 6.2394, -21.8717

Details

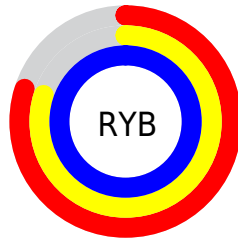
The XYZ color **64.3078, 62.7692, 103.3340** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **87.4135, 96.9031, 70.5996**, and the grayscale version is **60.6189, 63.7758, 69.4518**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **33.3349, 31.9617, 57.8384** is the 20% darker color. If you saturate the color by 10%, you get **52.4607, 48.4467, 101.1939**, and if you desaturate by 10%, it is **78.2496, 79.6449, 105.8565**.

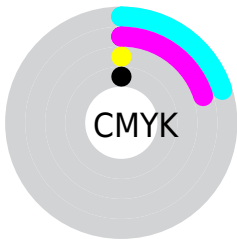
Distribution



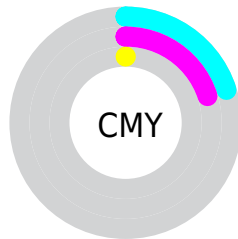
- Red (80%)
- Green (80%)
- Blue (100%)



- Red (80%)
- Yellow (80%)
- Blue (100%)



- Cyan (20%)
- Magenta (20%)
- Yellow (0%)
- Black (0%)



- Cyan (20%)
- Magenta (20%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.3078, 62.7692, 103.3340 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 64.3078, 62.7692, 103.3340 by changing the saturation by 10% instead.

■ 64.3078, 62.7692,
103.3340

■ 64.3078, 62.7692,
103.3340

429.8849,
434.7314, 592.1674

■ 47.1626, 45.6545,
78.4555

110.1254,
108.8365, 167.8231

■ 33.3727, 31.9733,
57.9295

139.5285,
138.5578, 208.2707

■ 22.5727, 21.3411,
41.3377

173.7482,
173.2502, 254.7451

■ 14.3973, 13.3736,
28.2613

213.1501,
213.2981, 307.6647

■ 8.4810, 7.6863,
18.2820

258.0993,
259.0857, 367.4483

■ 4.4586, 3.8949,
10.9811

308.9613,

■ 1.9647, 1.6149,

310.9975, 434.5142

5.9401

366.1014,
369.4180, 509.2811

■ 0.6140, 0.3676,
2.7405

■ 0.0000, 0.0000,
0.9637

■ 64.3078, 62.7692,
103.3340

■ 64.3078, 62.7692,
103.3340

■ 52.4607, 48.4467,
101.1939

■ 78.2496, 79.6449,
105.8565

■ 42.6020, 36.5462,
99.4165

94.3748, 99.1816,
108.7776

■ 34.6246, 26.9360,
97.9820

95.0500, 100.0000,
108.9000

■ 28.4086, 19.4690,
96.8683

■ 23.8209, 13.9810,
96.0509

■ 20.7090, 10.2842,
95.5013

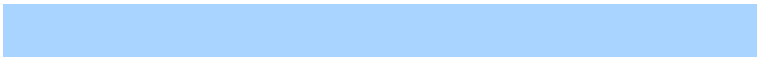
■ 18.8919, 8.1545,
95.1860

■ 18.1113, 7.2516,
95.0529

Harmonies

Analogous

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



58.3066, 62.7692, 106.5695



64.3078, 62.7692, 103.3340



69.3561, 62.7692, 90.0525

Triad

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



64.3078, 62.7692, 103.3340



66.8236, 62.7692, 45.2086



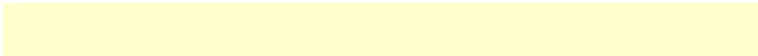
48.9479, 62.7692, 64.5125

Complementary

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



64.3078, 62.7692, 103.3340



87.4135, 96.9031, 70.5996

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.



50.9130, 62.7692, 50.4404



64.3078, 62.7692, 103.3340



61.0347, 62.7692, 40.5660

Square

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



64.3078, 62.7692, 103.3340



70.8751, 62.7692, 56.1704



55.2422, 62.7692, 42.3073



49.6956, 62.7692, 82.1628

Rectangle

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



64.3078, 62.7692, 103.3340



71.3679, 62.7692, 78.3243



55.2422, 62.7692, 42.3073



49.3085, 62.7692, 59.2515

Sweetspot

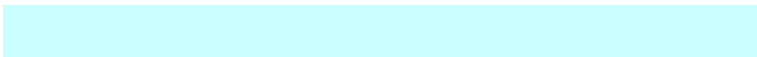
The Sweet Spot groups the original color and five complimentary colors.



64.3096, 62.7717, 103.3344



85.0549, 87.8879, 107.0889



78.1639, 90.8854, 108.0307



17.9828, 18.5421, 22.8811



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.



64.3096, 62.7717, 103.3344



59.7966, 57.3134, 102.5187



71.9980, 66.7352, 103.6942



17.0353, 17.3944, 22.7095



9.4775, 3.7963, 49.6678



0.9336, 0.3752, 4.8365

Inverse Universe

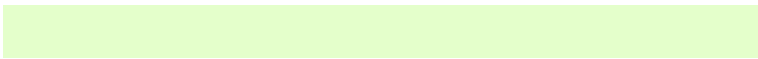
The Inverse Universe completely reimagines the original color for something new.



80.4865, 71.1297, 103.2543



78.3486, 66.8991, 102.4021



78.5779, 92.3482, 70.1861



18.7767, 18.2940, 22.7074



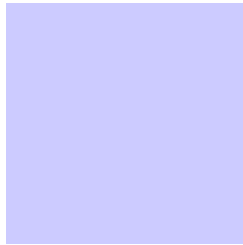
30.5803, 14.7214, 48.5677



2.9821, 1.4352, 4.7533

Previews

White Background



This preview shows how the XYZ color 64.3078, 62.7692, 103.3340 looks on a white background.

Color Contrast Check

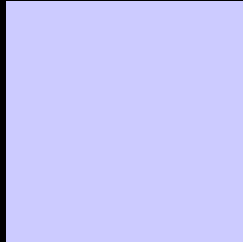
Large Text (above 18pt) WCAG AA × Fail

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 64.3078, 62.7692, 103.3340 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

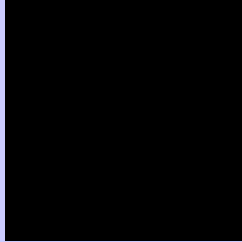
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 64.3078, 62.7692, 103.3340

Background



This preview shows how black text looks on a background with the XYZ color 64.3078, 62.7692, 103.3340.

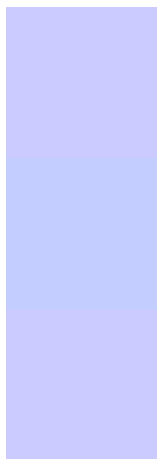


This preview shows how white text looks on a background with the XYZ color 64.3078, 62.7692,

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

64.3078, 62.7692, 103.3340

Protanopia

62.6463, 62.6184, 103.3925

Deuteranopia

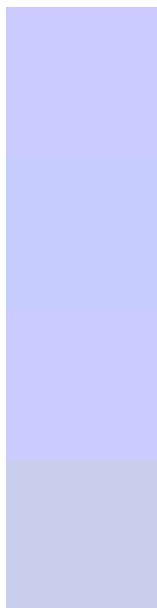
64.3078, 62.7692, 103.3340



Tritanopia

59.4352, 62.5538, 80.1757

Trichromacy



Original Color

64.3078, 62.7692, 103.3340

Protanomaly

63.1961, 62.5478, 103.3499

Deuteranomaly

64.3078, 62.7692, 103.3340

Tritanomaly

61.0310, 62.4781, 88.1997

Monochromacy



Original Color

64.3078, 62.7692, 103.3340

Achromatopsia

60.6036, 63.7597, 69.4343

Achromatomaly

61.7724, 63.3820, 80.9297

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.3078, 62.7692, 103.3340 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(204, 203, 255)` looks like.

```
.text, #text, p{  
    color:rgb(204, 203, 255)  
}
```

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(204, 203, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 203, 255) }
```

Border

The CSS property to change the border of an element to XYZ 64.3078, 62.7692, 103.3340 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(204, 203, 255) }
```


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

```
.border{ border-color:rgb(204, 203, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 203, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 203, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 203, 255);  
box-shadow:4px 4px 4px 4px rgb(204, 203,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 64.3078, 62.7692, 103.3340 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 203, 255) }
```

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

```
.background{ background-color: rgb(204,  
203, 255) }
```

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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