

Converting Colors

XYZ(64.7995, 62.3622,
103.2295)

Have a look what the booklet for
XYZ(64.7995, 62.3622, 103.2295)
contains.

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Color

**XYZ(64.6688, 62.2587,
103.2165)**

Conversions

Conversions Part 1

Format	Color
Hex	CFC9FF
RGB	207, 201, 255
RGB Percent	81%, 79%, 100%
CMY	0.1882, 0.2117, 0.0000
CMYK	0.19, 0.21, 0.00, 0.00
HSL	247°, 100%, 89%
HSV	247°, 21%, 100%
XYZ	64.6688, 62.2587, 103.2165
YIQ	208.9500, -13.7580, 18.0660

Conversions

Conversions Part 2

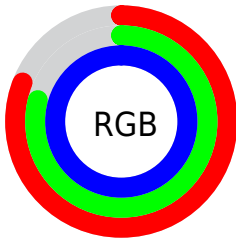
Format	Color
R_{YB}	207, 201, 255
Decimal	13617663
CIE _{Lab}	83.05, 12.82, -25.69
CIE _{LCh}	83, 28.714, 296.525
Yxy	62.2587, 0.2810, 0.2705
Android (android.graphics.Color)	4291807743 (0xFFCFC9FF)
YUV	208.9500, 22.7027, -1.7101
Hunter-Lab	78.9042, 8.2139, -22.3258

Details

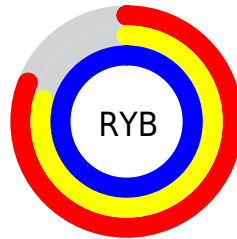
The XYZ color **64.6688, 62.2587, 103.2165** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **85.3707, 95.8773, 69.2678**, and the grayscale version is **60.4364, 63.5838, 69.2428**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **33.5757, 31.6201, 57.7597** is the 20% darker color. If you saturate the color by 10%, you get **53.3260, 48.3085, 101.1216**, and if you desaturate by 10%, it is **77.9111, 78.6559, 105.6835**.

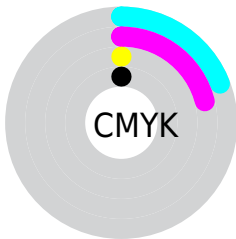
Distribution



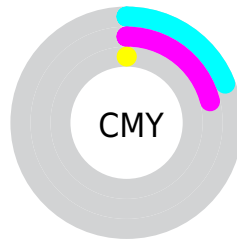
- Red (81%)
- Green (79%)
- Blue (100%)



- Red (81%)
- Yellow (79%)
- Blue (100%)



- Cyan (19%)
- Magenta (21%)
- Yellow (0%)
- Black (0%)



- Cyan (19%)
- Magenta (21%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.6688, 62.2587, 103.2165 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 64.6688, 62.2587, 103.2165 by changing the saturation by 10% instead.

■ 64.6688, 62.2587,
103.2165

■ 64.6688, 62.2587,
103.2165

431.1649,
432.8741, 591.7911

■ 47.4563, 45.2418,
78.3577

110.6419,
108.0993, 167.6607

■ 33.6060, 31.6479,
57.8497

140.1332,
137.6918, 208.0832

■ 22.7525, 21.0927,
41.2739

174.4482,
172.2450, 254.5306

■ 14.5306, 13.1918,
28.2118

213.9521,
212.1431, 307.4215

■ 8.5747, 7.5607,
18.2450

259.0104,
257.7708, 367.1745

■ 4.5197, 3.8152,
10.9548

309.9884,

■ 2.0002, 1.5707,

309.5122, 434.2081

5.9226

367.2514,
367.7518, 508.9408

■ 0.6341, 0.3377,
2.7301

■ 0.0000, 0.0000,
0.9585

■ 64.6688, 62.2587,
103.2165

■ 64.6688, 62.2587,
103.2165

■ 53.3260, 48.3085,
101.1216

■ 77.9111, 78.6559,
105.6835

■ 43.7900, 36.6808,
99.3799

■ 93.1289, 97.6021,
108.5384

■ 35.9687, 27.2511,
97.9720

■ 95.0500, 100.0000,
108.9000

■ 29.7592, 19.8804,
96.8766

■ 25.0478, 14.4137,
96.0697

■ 21.7056, 10.6738,
95.5240

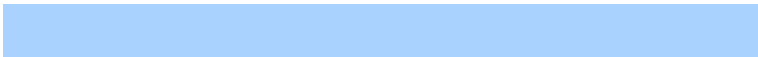
■ 19.5813, 8.4498,
95.2067

■ 18.5379, 7.4715,
95.0728

Harmonies

Analogous

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



58.4544, 62.2587, 107.9681



64.6688, 62.2587, 103.2165



69.7031, 62.2587, 88.4522

Triad

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



64.6688, 62.2587, 103.2165



66.0077, 62.2587, 43.0805



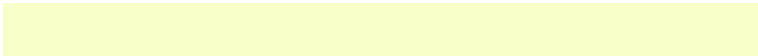
48.0398, 62.2587, 65.7378

Complementary

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



64.6688, 62.2587, 103.2165



85.3707, 95.8773, 69.2678

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.



49.7643, 62.2587, 50.6241



64.6688, 62.2587, 103.2165



59.9016, 62.2587, 39.0662

Square

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



64.6688, 62.2587, 103.2165



70.5133, 62.2587, 53.6366



54.0016, 62.2587, 41.5668



49.1224, 62.2587, 84.2350

Rectangle

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



64.6688, 62.2587, 103.2165



71.5616, 62.2587, 76.0730



54.0016, 62.2587, 41.5668



48.3072, 62.2587, 60.1296

Sweetspot

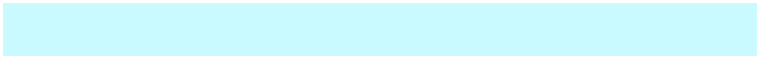
The Sweet Spot groups the original color and five complimentary colors.



64.6706, 62.2612, 103.2168



85.5341, 88.1349, 107.1113



76.2002, 87.7613, 107.5312



18.0955, 18.6002, 22.8864



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.



64.6706, 62.2612, 103.2168



60.1117, 56.6417, 102.3724



72.6733, 66.3867, 103.5914



17.1903, 17.4743, 22.7168



9.7460, 3.9347, 49.6804



1.0070, 0.4130, 4.8399

Inverse Universe

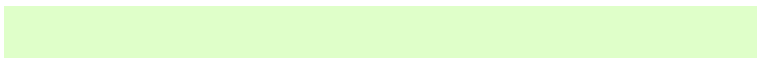
The Inverse Universe completely reimagines the original color for something new.



79.2268, 69.8750, 98.9355



76.8559, 65.4030, 97.3136



76.6123, 91.3622, 68.8579



18.7006, 18.2636, 22.3066



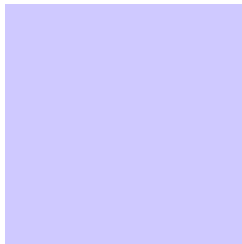
28.8049, 14.0113, 39.2186



2.8284, 1.3737, 3.9437

Previews

White Background



This preview shows how the XYZ color 64.6688, 62.2587, 103.2165 looks on a white background.

Color Contrast Check

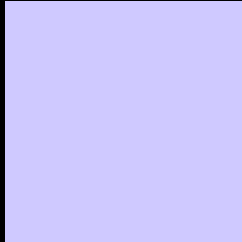
Large Text (above 18pt) WCAG AA × Fail

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 64.6688, 62.2587, 103.2165 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

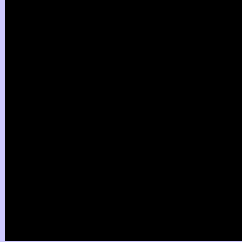
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 64.6688, 62.2587, 103.2165

Background



This preview shows how black text looks on a background with the XYZ color 64.6688, 62.2587, 103.2165.

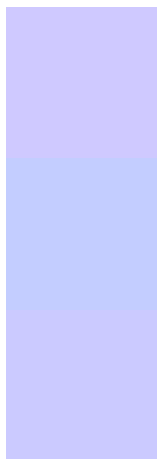


This preview shows how white text looks on a background with the XYZ color 64.6688, 62.2587,

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

64.6688, 62.2587, 103.2165

Protanopia

62.3870, 62.4847, 103.3804

Deuteranopia

63.7991, 62.1576, 103.2428



Tritanopia

59.7195, 62.3709, 78.7033

Trichromacy



Original Color

64.6688, 62.2587, 103.2165

Protanomaly

63.1961, 62.5478, 103.3499

Deuteranomaly

64.0724, 62.2984, 103.2556

Tritanomaly

61.4553, 62.3573, 87.3944

Monochromacy



Original Color

64.6688, 62.2587, 103.2165

Achromatopsia

60.6036, 63.7597, 69.4343

Achromatomaly

61.8112, 63.0435, 80.8623

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.6688, 62.2587, 103.2165 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(207, 201, 255)` looks like.

```
.text, #text, p{  
    color:rgb(207, 201, 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(207, 201, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 201, 255) }
```

Border

The CSS property to change the border of an element to XYZ 64.6688, 62.2587, 103.2165 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(207, 201, 255) }
```


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

```
.border{ border-color:rgb(207, 201, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 201, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 201, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 201, 255);  
box-shadow:4px 4px 4px 4px rgb(207, 201,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 64.6688, 62.2587, 103.2165 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 201, 255) }
```

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

```
.background{ background-color: rgb(207,  
201, 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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