

Converting Colors

XYZ(68.6800, 65.3749,
103.6065)

Have a look what the booklet for
XYZ(68.6800, 65.3749, 103.6065)
contains.

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Color

**XYZ(68.5563, 65.3112,
103.6007)**

Conversions

Conversions Part 1

Format	Color
Hex	DACCFF
RGB	218, 204, 255
RGB Percent	85%, 80%, 100%
CMY	0.1451, 0.2000, 0.0000
CMYK	0.15, 0.20, 0.00, 0.00
HSL	256°, 100%, 90%
HSV	256°, 20%, 100%
XYZ	68.5563, 65.3112, 103.6007
YIQ	214.0000, -8.0270, 18.8290

Conversions

Conversions Part 2

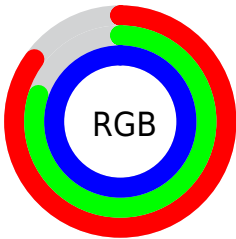
Format	Color
R _Y B	218, 204, 255
Decimal	14339327
CIE Lab	84.64, 14.60, -23.19
CIE LCh	85, 27.401, 302.192
Yxy	65.3112, 0.2887, 0.2750
Android (android.graphics.Color)	4292529407 (0xFFDACCF)
YUV	214.0000, 20.2130, 3.5080
Hunter-Lab	80.8153, 9.9961, -19.4357

Details

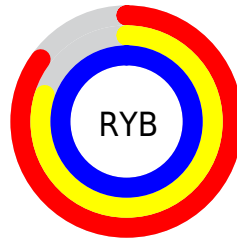
The XYZ color **68.5563, 65.3112, 103.6007** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **82.9362, 94.5811, 71.0146**, and the grayscale version is **63.7904, 67.1124, 73.0855**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.2036, 33.6764, 58.0181** is the 20% darker color. If you saturate the color by 10%, you get **57.7576, 51.4729, 101.4989**, and if you desaturate by 10%, it is **80.9685, 81.4575, 106.0631**.

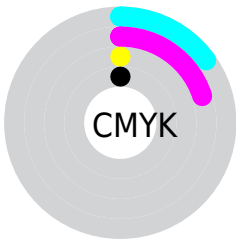
Distribution



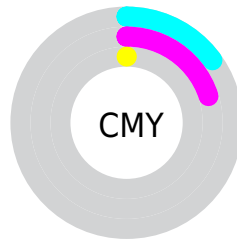
- Red (85%)
- Green (80%)
- Blue (100%)



- Red (85%)
- Yellow (80%)
- Blue (100%)



- Cyan (15%)
- Magenta (20%)
- Yellow (0%)
- Black (0%)



- Cyan (15%)
- Magenta (20%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.5563, 65.3112, 103.6007 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 68.5563, 65.3112, 103.6007 by changing the saturation by 10% instead.

68.5563, 65.3112,
103.6007

68.5563, 65.3112,
103.6007

444.8104,
443.9094, 593.0212

50.6258, 47.7135,
78.6774

116.1852,
112.4971, 168.1915

36.1307, 33.6000,
58.1109

146.6142,
142.8542, 208.6961

24.7057, 22.5865,
41.4825

181.9401,
178.2330, 255.2317

15.9855, 14.2885,
28.3738

222.5283,
219.0182, 308.2166

9.6047, 8.3216,
18.3661

268.7440,
265.5940, 368.0694

5.1979, 4.3014,
11.0410

320.9527,

2.3998, 1.8436,

318.3449, 435.2088

5.9799

379.5197,
377.6552, 510.0532

■ 0.8450, 0.5141,
2.7643

■ 0.0000, 0.0000,
0.9756

■ 68.5563, 65.3112,
103.6007

■ 68.5563, 65.3112,
103.6007

■ 57.7576, 51.4729,
101.4989

■ 80.9685, 81.4575,
106.0631

■ 48.4983, 39.8279,
99.7392

95.0500, 100.0000,
108.9000

■ 40.7069, 30.2634,
98.3037

■ 34.3034, 22.6530,
97.1722

■ 29.1999, 16.8564,
96.3223

■ 25.2973, 12.7138,
95.7284

■ 22.4803, 10.0361,
95.3601

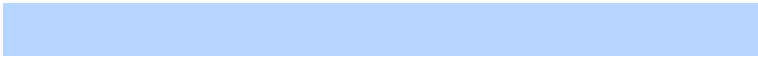
■ 20.5756, 8.5221,
95.1682

■ 20.5753, 8.5219,
95.1682

Harmonies

Analogous

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



62.5274, 65.3112, 110.3667



68.5563, 65.3112, 103.6007



73.0728, 65.3112, 88.0143

Triad

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



68.5563, 65.3112, 103.6007



67.7270, 65.3112, 45.2836



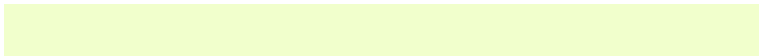
51.0485, 65.3112, 72.4092

Complementary

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



68.5563, 65.3112, 103.6007



82.9362, 94.5811, 71.0146

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.



52.2425, 65.3112, 56.5266



68.5563, 65.3112, 103.6007



61.6275, 65.3112, 42.4822

Square

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



68.5563, 65.3112, 103.6007



72.5723, 65.3112, 54.6329



56.0181, 65.3112, 46.2441



52.6446, 65.3112, 90.6124

Rectangle

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



68.5563, 65.3112, 103.6007



74.4745, 65.3112, 75.7881



56.0181, 65.3112, 46.2441



51.1367, 65.3112, 66.6338

Sweetspot

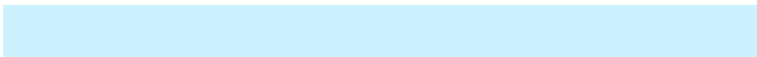
The Sweet Spot groups the original color and five complimentary colors.



68.5582, 65.3138, 103.6012



86.3952, 88.5788, 107.1516



74.5274, 83.2065, 106.7402



18.2984, 18.7048, 22.8959



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.



68.5582, 65.3138, 103.6012



64.0464, 59.5043, 102.7176



76.6411, 69.4807, 103.9794



17.4709, 17.6190, 22.7299



10.8733, 4.5159, 49.7331



1.1585, 0.4911, 4.8470

Inverse Universe

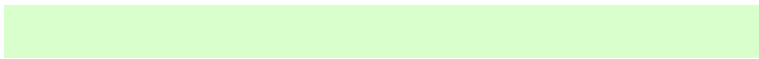
The Inverse Universe completely reimagines the original color for something new.



78.7116, 70.7991, 92.7381



75.9495, 65.9395, 89.7688



74.9501, 90.4641, 70.6408



18.5674, 18.2103, 21.6052



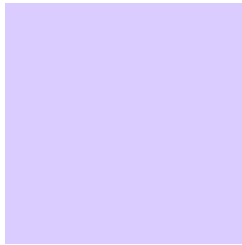
26.1911, 12.9657, 25.4544



2.5962, 1.2809, 2.7212

Previews

White Background



This preview shows how the XYZ color 68.5563, 65.3112, 103.6007 looks on a white background.

Color Contrast Check

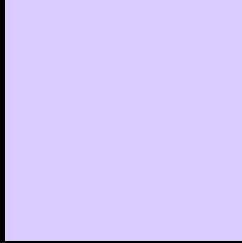
Large Text (above 18pt) WCAG AA × Fail

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 68.5563, 65.3112, 103.6007 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

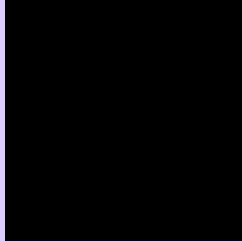
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.5563, 65.3112, 103.6007

Background



This preview shows how black text looks on a background with the XYZ color 68.5563, 65.3112, 103.6007.

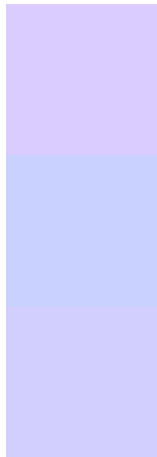


This preview shows how white text looks on a background with the XYZ color 68.5563, 65.3112,

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

68.5563, 65.3112, 103.6007

Protanopia

64.9379, 65.2384, 103.7774

Deuteranopia

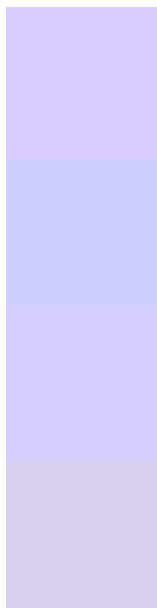
66.7806, 65.4830, 102.8857



Tritanopia

63.9685, 65.2380, 81.1722

Trichromacy



Original Color

68.5563, 65.3112, 103.6007

Protanomaly

66.0950, 65.1110, 103.6919

Deuteranomaly

67.4013, 65.4445, 102.8456

Tritanomaly

65.6232, 65.1871, 89.2444

Monochromacy



Original Color

68.5563, 65.3112, 103.6007

Achromatopsia

63.9157, 67.2443, 73.2291

Achromatomaly

65.2138, 66.1974, 83.4690

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.5563, 65.3112, 103.6007 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(218, 204, 255)` looks like.

```
.text, #text, p{  
    color:rgb(218, 204, 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(218, 204, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 204, 255) }
```

Border

The CSS property to change the border of an element to XYZ 68.5563, 65.3112, 103.6007 is called "border". The border property can be set on classes, ids or directly on the HTML element.

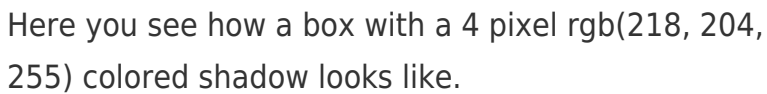
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(218, 204, 255) }
```


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

```
.border{ border-color:rgb(218, 204, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(218, 204, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(218, 204, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(218, 204, 255); box-shadow:4px 4px 4px 4px rgb(218, 204, 255) }
```

Background

The CSS property to change the background color of an element to XYZ 68.5563, 65.3112, 103.6007 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 204, 255) }
```

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

```
.background{ background-color: rgb(218,  
204, 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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