

Converting Colors

XYZ(69.0069, 65.5435,
103.6218)

Have a look what the booklet for
XYZ(69.0069, 65.5435, 103.6218)
contains.

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Color

**XYZ(69.1581, 65.6214,
103.6289)**

Conversions

Conversions Part 1

Format	Color
Hex	DCCCFF
RGB	220, 204, 255
RGB Percent	86%, 80%, 100%
CMY	0.1372, 0.2000, 0.0000
CMYK	0.14, 0.20, 0.00, 0.00
HSL	259°, 100%, 90%
HSV	259°, 20%, 100%
XYZ	69.1581, 65.6214, 103.6289
YIQ	214.5980, -6.8350, 19.2530

Conversions

Conversions Part 2

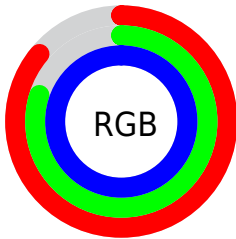
Format	Color
R _Y B	220, 204, 255
Decimal	14470399
CIE Lab	84.80, 15.22, -22.93
CIE LCh	85, 27.523, 303.573
Yxy	65.6214, 0.2901, 0.2752
Android (android.graphics.Color)	4292660479 (0xFFDCCCFF)
YUV	214.5980, 19.9182, 4.7376
Hunter-Lab	81.0070, 10.6284, -19.1423

Details

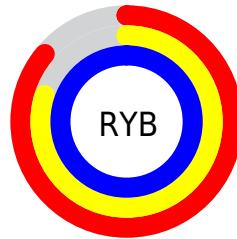
The XYZ color **69.1581, 65.6214, 103.6289** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **82.2571, 94.2310, 70.9828**, and the grayscale version is **64.1943, 67.5374, 73.5482**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.6164, 33.8892, 58.0375** is the 20% darker color. If you saturate the color by 10%, you get **58.5642, 51.8888, 101.5366**, and if you desaturate by 10%, it is **81.3024, 81.6296, 106.0787**.

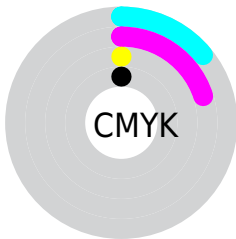
Distribution



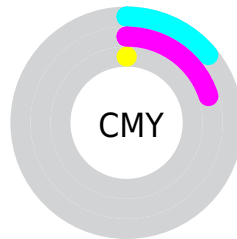
- Red (86%)
- Green (80%)
- Blue (100%)



- Red (86%)
- Yellow (80%)
- Blue (100%)



- Cyan (14%)
- Magenta (20%)
- Yellow (0%)
- Black (0%)



- Cyan (14%)
- Magenta (20%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.1581, 65.6214, 103.6289 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 69.1581, 65.6214, 103.6289 by changing the saturation by 10% instead.

69.1581, 65.6214,
103.6289

69.1581, 65.6214,
103.6289

446.9010,
445.0217, 593.1114

51.1176, 47.9651,
78.7009

117.0402,
112.9428, 168.2305

36.5236, 33.7993,
58.1301

147.6125,
143.3767, 208.7411

25.0108, 22.7394,
41.4978

183.0927,
178.8385, 255.2831

16.2139, 14.4012,
28.3857

223.8463,
219.7128, 308.2749

9.7675, 8.4003,
18.3750

270.2386,
266.3839, 368.1351

5.3061, 4.3521,
11.0473

322.6349,

2.4646, 1.8724,

319.2361, 435.2822

5.9841

381.4006,
378.6539, 510.1348

■ 0.8774, 0.5317,
2.7668

■ 0.0000, 0.0000,
0.9768

■ 69.1581, 65.6214,
103.6289

■ 69.1581, 65.6214,
103.6289

■ 58.5642, 51.8888,
101.5366

■ 81.3024, 81.6296,
106.0787

■ 49.4500, 40.3185,
99.7837

95.0500, 100.0000,
108.9000

■ 41.7472, 30.7997,
98.3524

■ 35.3797, 23.2078,
97.2226

■ 30.2635, 17.4047,
96.3721

■ 26.3043, 13.2329,
95.7756

■ 23.3917, 10.5060,
95.4027

■ 21.3582, 8.9255,
95.2048

■ 21.3579, 8.9253,
95.2048

Harmonies

Analogous

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



63.1129, 65.6214, 110.9668



69.1581, 65.6214, 103.6289



73.5989, 65.6214, 87.6477

Triad

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



69.1581, 65.6214, 103.6289



67.7963, 65.6214, 45.1594



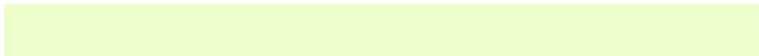
51.2736, 65.6214, 73.5873

Complementary

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



69.1581, 65.6214, 103.6289



82.2571, 94.2310, 70.9828

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.



52.3477, 65.6214, 57.3829



69.1581, 65.6214, 103.6289



61.6353, 65.6214, 42.6439

Square

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



69.1581, 65.6214, 103.6289



72.7770, 65.6214, 54.2745



56.0435, 65.6214, 46.7356



53.0078, 65.6214, 91.9145

Rectangle

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



69.1581, 65.6214, 103.6289



74.9064, 65.6214, 75.3178



56.0435, 65.6214, 46.7356



51.3188, 65.6214, 67.7180

Sweetspot

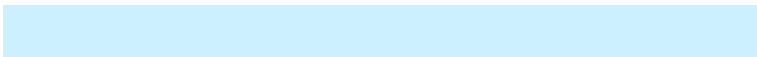
The Sweet Spot groups the original color and five complimentary colors.



69.1600, 65.6241, 103.6293



86.6037, 88.6863, 107.1614



74.0254, 82.2026, 106.5729



18.3476, 18.7302, 22.8982



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.



69.1600, 65.6241, 103.6293



64.7376, 59.8606, 102.7500



77.2308, 69.7847, 104.0070



17.5392, 17.6542, 22.7331



11.2948, 4.7332, 49.7529



1.2068, 0.5160, 4.8493

Inverse Universe

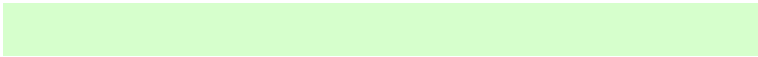
The Inverse Universe completely reimagines the original color for something new.



78.4143, 70.6802, 91.1729



75.5987, 65.7992, 87.9214



74.4508, 90.2067, 70.6174



18.5359, 18.1977, 21.4390



25.6627, 12.7544, 22.6721



2.5481, 1.2616, 2.4676

Previews

White Background



This preview shows how the XYZ color 69.1581, 65.6214, 103.6289 looks on a white background.

Color Contrast Check

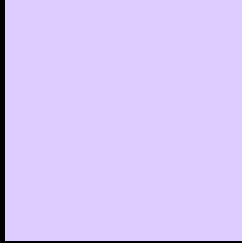
Large Text (above 18pt) WCAG AA × Fail

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 69.1581, 65.6214, 103.6289 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 69.1581, 65.6214, 103.6289

Background



This preview shows how black text looks on a background with the XYZ color 69.1581, 65.6214, 103.6289.

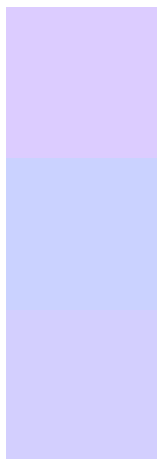


This preview shows how white text looks on a background with the XYZ color 69.1581, 65.6214,

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

69.1581, 65.6214, 103.6289

Protanopia

65.4537, 65.8697, 103.8721

Deuteranopia

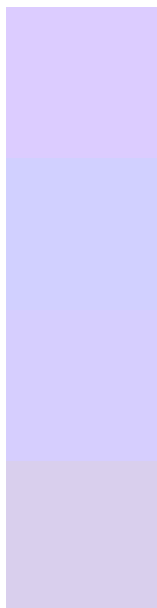
67.0662, 65.6303, 102.8991



Tritanopia

64.5523, 65.5390, 81.1995

Trichromacy



Original Color

69.1581, 65.6214, 103.6289

Protanomaly

66.9004, 65.8871, 103.7992

Deuteranomaly

67.6923, 65.5945, 102.8592

Tritanomaly

66.2142, 65.4918, 89.2721

Monochromacy



Original Color

69.1581, 65.6214, 103.6289

Achromatopsia

64.5905, 67.9542, 74.0022

Achromatomaly

66.1925, 67.0534, 84.3168

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.1581, 65.6214, 103.6289 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(220, 204, 255)` looks like.

```
.text, #text, p{  
    color:rgb(220, 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(220, 204, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 204, 255) }
```

Border

The CSS property to change the border of an element to XYZ 69.1581, 65.6214, 103.6289 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(220, 204, 255) }
```


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

```
.border{ border-color:rgb(220, 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(220, 204, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 204, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 204, 255);  
box-shadow:4px 4px 4px 4px rgb(220, 204,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 69.1581, 65.6214, 103.6289 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 204, 255) }
```

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

```
.background{ background-color: rgb(220,  
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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