

Converting Colors

XYZ(68.4354, 69.0854, 96.0878)

Have a look what the booklet for
XYZ(68.4354, 69.0854, 96.0878)
contains.

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Color

**XYZ(68.5523, 69.1328,
96.1171)**

Conversions

Conversions Part 1

Format	Color
Hex	D7D6F5
RGB	215, 214, 245
RGB Percent	84%, 84%, 96%
CMY	0.1569, 0.1608, 0.0392
CMYK	0.12, 0.13, 0.00, 0.04
HSL	242°, 61%, 90%
HSV	242°, 13%, 96%
XYZ	68.5523, 69.1328, 96.1171
YIQ	217.8330, -9.3550, 9.8530

Conversions

Conversions Part 2

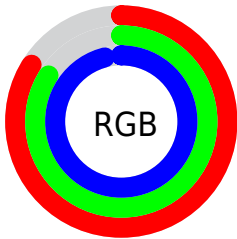
Format	Color
R _Y B	215, 214, 245
Decimal	14145269
CIE Lab	86.57, 6.29, -15.01
CIE LCh	87, 16.276, 292.726
Yxy	69.1328, 0.2932, 0.2957
Android (android.graphics.Color)	4292335349 (0xFFD7D6F5)
YUV	217.8330, 13.3933, -2.4845
Hunter-Lab	83.1461, 1.6639, -10.3371

Details

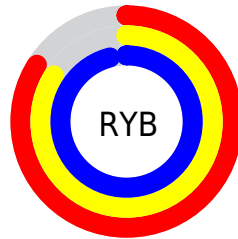
The XYZ color **68.5523, 69.1328, 96.1171** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **82.1008, 89.3948, 76.5494**, and the grayscale version is **66.4425, 69.9027, 76.1241**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.0806, 35.9440, 53.1803** is the 20% darker color. If you saturate the color by 10%, you get **56.3469, 54.3194, 93.9022**, and if you desaturate by 10%, it is **82.7036, 86.3373, 98.6931**.

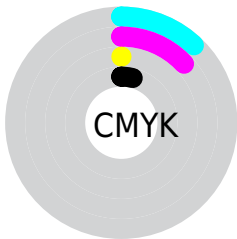
Distribution



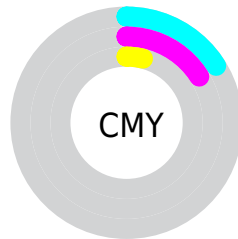
- Red (84%)
- Green (84%)
- Blue (96%)



- Red (84%)
- Yellow (84%)
- Blue (96%)



- Cyan (12%)
- Magenta (13%)
- Yellow (0%)
- Black (4%)



- Cyan (16%)
- Magenta (16%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.5523, 69.1328, 96.1171 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 68.5523, 69.1328, 96.1171 by changing the saturation by 10% instead.

■ 68.5523, 69.1328,
96.1171

■ 68.5523, 69.1328,
96.1171

444.7965,
457.4992, 568.8105

■ 50.6225, 50.8199,
72.4631

116.1795,
117.9712, 157.8159

■ 36.1281, 36.0653,
53.0479

146.6076,
149.2655, 196.6977

■ 24.7037, 24.4846,
37.4530

181.9325,
185.6557, 241.4925

■ 15.9840, 15.6935,
25.2599

222.5195,
227.5262, 292.6188

■ 9.6036, 9.3075,
16.0500

268.7341,
275.2614, 350.4953

■ 5.1972, 4.9423,
9.4048

320.9415,

■ 2.3994, 2.2135,

329.2457, 415.5403

4.9058

379.5072,
389.8635, 488.1726

■ 0.8448, 0.7273,
2.1343

■ 0.0000, 0.0000,
0.6361

■ 68.5523, 69.1328,
96.1171

■ 68.5523, 69.1328,
96.1171

■ 56.3469, 54.3194,
93.9022

■ 82.7036, 86.3373,
98.6931

■ 45.9963, 41.7832,
92.0280

■ 93.4816, 99.3727,
100.6411

■ 37.4118, 31.4138,
90.4790

■ 30.4946, 23.0885,
89.2366

■ 25.1364, 16.6722,
88.2805

■ 21.2162, 12.0134,
87.5879

■ 18.5951, 8.9380,
87.1325

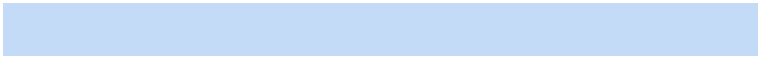
■ 17.1065, 7.2360,
86.8824

■ 16.5803, 6.6435,
86.7958

Harmonies

Analogous

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



64.7941, 69.1328, 97.8295



68.5523, 69.1328, 96.1171



71.6542, 69.1328, 88.5754

Triad

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



68.5523, 69.1328, 96.1171



70.2024, 69.1328, 59.9170



58.7697, 69.1328, 72.6730

Complementary

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



68.5523, 69.1328, 96.1171



82.1008, 89.3948, 76.5494

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.



60.1014, 69.1328, 63.3754



68.5523, 69.1328, 96.1171



66.6317, 69.1328, 56.4825

Square

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



68.5523, 69.1328, 96.1171



72.6321, 69.1328, 67.5267



62.9448, 69.1328, 57.6853



59.2398, 69.1328, 83.5920

Rectangle

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



68.5523, 69.1328, 96.1171



72.8848, 69.1328, 81.6154



62.9448, 69.1328, 57.6853



59.0197, 69.1328, 69.2696

Sweetspot

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



68.5544, 69.1357, 96.1186



88.3428, 91.8394, 107.6783



76.7114, 85.8831, 98.9213



18.6475, 19.3394, 23.0000



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.



68.5544, 69.1357, 96.1186



71.7060, 71.6193, 104.6523



73.1690, 71.5146, 96.3346



15.6304, 15.9521, 20.7978



8.9538, 3.5902, 46.7591



0.8040, 0.3243, 4.1105

Inverse Universe

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



78.0343, 74.0403, 95.7698



83.8410, 77.8979, 104.1896



77.0999, 86.8168, 76.3154



17.1893, 16.7586, 20.7432



28.5410, 13.7598, 44.4185



2.5156, 1.2122, 3.9414

Previews

White Background



This preview shows how the XYZ color 68.5523, 69.1328, 96.1171 looks on a white background.

Color Contrast Check

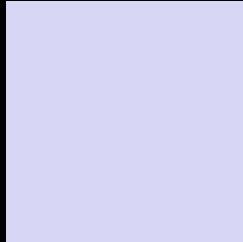
Large Text (above 18pt) WCAG AA × Fail

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 68.5523, 69.1328, 96.1171 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

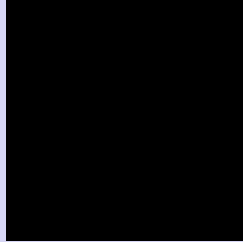
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.5523, 69.1328, 96.1171

Background



This preview shows how black text looks on a background with the XYZ color 68.5523, 69.1328, 96.1171.



This preview shows how white text looks on a background with the XYZ color 68.5523, 69.1328,

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

68.5523, 69.1328, 96.1171

Protanopia

68.0864, 69.2517, 96.9672

Deuteranopia

70.6693, 69.0896, 96.7997



Tritanopia

66.7044, 69.1411, 86.9207

Trichromacy



Original Color

68.5523, 69.1328, 96.1171

Protanomaly

68.3756, 69.4008, 96.9807

Deuteranomaly

69.9968, 69.1129, 96.8397

Tritanomaly

67.3181, 69.0114, 89.8933

Monochromacy



Original Color

68.5523, 69.1328, 96.1171

Achromatopsia

66.6397, 70.1102, 76.3500

Achromatomaly

67.4317, 69.9789, 83.3520

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.5523, 69.1328, 96.1171 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(215, 214, 245) looks like.

```
.text, #text, p{  
    color:rgb(215, 214, 245)  
}
```

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(215, 214, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 214, 245) }
```

Border

The CSS property to change the border of an element to XYZ 68.5523, 69.1328, 96.1171 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(215, 214, 245) }
```


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

```
.border{ border-color:rgb(215, 214, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 214, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 214, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 214, 245);  
box-shadow:4px 4px 4px 4px rgb(215, 214,  
245) }
```

Background

The CSS property to change the background color of an element to XYZ 68.5523, 69.1328, 96.1171 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 214, 245) }
```

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

```
.background{ background-color: rgb(215,  
214, 245) }
```

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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