

Converting Colors

XYZ(68.6782, 69.7444, 94.4031)

Have a look what the booklet for
XYZ(68.6782, 69.7444, 94.4031)
contains.

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Color

**XYZ(68.5024, 69.5190,
94.6021)**

Conversions

Conversions Part 1

Format	Color
Hex	D7D7F3
RGB	215, 215, 243
RGB Percent	84%, 84%, 95%
CMY	0.1569, 0.1568, 0.0471
CMYK	0.12, 0.12, 0.00, 0.05
HSL	240°, 54%, 90%
HSV	240°, 12%, 95%
XYZ	68.5024, 69.5190, 94.6021
YIQ	218.1920, -8.9880, 8.7080

Conversions

Conversions Part 2

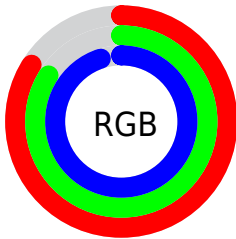
Format	Color
R_{YB}	215, 215, 243
Decimal	14145523
CIE Lab	86.76, 5.36, -13.67
CIE LCh	87, 14.682, 291.400
Yxy	69.5190, 0.2945, 0.2988
Android (android.graphics.Color)	4292335603 (0xFFD7D7F3)
YUV	218.1920, 12.2303, -2.7994
Hunter-Lab	83.3781, 0.7418, -8.9068

Details

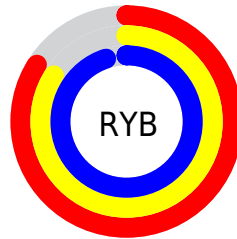
The XYZ color **68.5024, 69.5190, 94.6021** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **81.2788, 88.0616, 77.0051**, and the grayscale version is **66.6974, 70.1709, 76.4161**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.0377, 36.2031, 52.1022** is the 20% darker color. If you saturate the color by 10%, you get **56.1559, 54.6430, 92.3826**, and if you desaturate by 10%, it is **82.8317, 86.7848, 97.1806**.

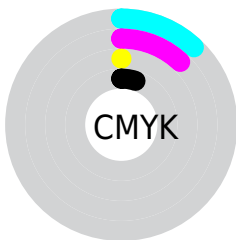
Distribution



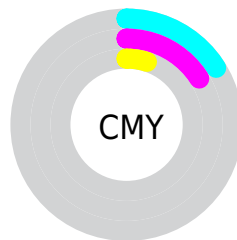
- Red (84%)
- Green (84%)
- Blue (95%)



- Red (84%)
- Yellow (84%)
- Blue (95%)



- Cyan (12%)
- Magenta (12%)
- Yellow (0%)
- Black (5%)



- Cyan (16%)
- Magenta (16%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.5024, 69.5190, 94.6021 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 68.5024, 69.5190, 94.6021 by changing the saturation by 10% instead.

■ 68.5024, 69.5190,
94.6021

■ 68.5024, 69.5190,
94.6021

444.6229,
458.8593, 563.8421

■ 50.5817, 51.1345,
71.2088

116.1085,
118.5226, 155.7056

■ 36.0955, 36.3157,
52.0297

146.5247,
149.9104, 194.2529

■ 24.6784, 24.6781,
36.6464

181.8368,
186.4015, 238.6886

■ 15.9651, 15.8374,
24.6402

222.4101,
228.3802, 289.4313

■ 9.5901, 9.4092,
15.5926

268.6100,
276.2310, 346.8994

■ 5.1882, 5.0090,
9.0851

320.8019,

■ 2.3940, 2.2525,

330.3381, 411.5116

4.6992

379.3510,
391.0861, 483.6863

■ 0.8421, 0.7484,
2.0162

■ 0.0000, 0.0000,
0.5652

■ 68.5024, 69.5190,
94.6021

■ 68.5024, 69.5190,
94.6021

■ 56.1559, 54.6430,
92.3826

■ 82.8317, 86.7848,
97.1806

■ 45.6989, 42.0433,
90.5017

■ 93.1779, 99.2512,
99.0415

■ 37.0403, 31.6103,
88.9443

■ 30.0788, 23.2220,
87.6921

■ 24.7029, 16.7443,
86.7251

■ 20.7881, 12.0270,
86.0209

■ 18.1911, 8.8976,
85.5538

■ 16.7401, 7.1489,
85.2927

■ 16.1782, 6.4717,
85.1916

Harmonies

Analogous

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



65.0980, 69.5190, 95.8676



68.5024, 69.5190, 94.6021



71.3452, 69.5190, 88.0523

Triad

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



68.5024, 69.5190, 94.6021



70.2605, 69.5190, 61.9193



59.7893, 69.5190, 72.9151

Complementary

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



68.5024, 69.5190, 94.6021



81.2788, 88.0616, 77.0051

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.



61.0723, 69.5190, 64.5504



68.5024, 69.5190, 94.6021



67.0632, 69.5190, 58.5704

Square

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



68.5024, 69.5190, 94.6021



72.3843, 69.5190, 69.0335



63.7070, 69.5190, 59.4904



60.1447, 69.5190, 82.7705

Rectangle

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



68.5024, 69.5190, 94.6021



72.5011, 69.5190, 81.8568



63.7070, 69.5190, 59.4904



60.0417, 69.5190, 69.8493

Sweetspot

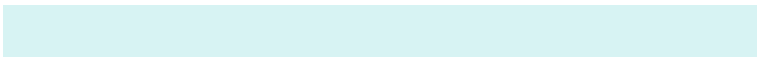
The Sweet Spot groups the original color and five complimentary colors.



68.5045, 69.5219, 94.6036



89.8995, 93.7941, 107.9736



76.1834, 84.9924, 96.8160



18.9551, 19.7298, 23.0592



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.



68.5045, 69.5219, 94.6036



72.7646, 73.1483, 104.8917



72.6437, 71.6547, 94.7971



15.5814, 15.9270, 20.7956



8.8791, 3.5520, 46.7556



0.7804, 0.3123, 4.1094

Inverse Universe

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



73.5300, 72.5634, 74.4240



79.4761, 77.2102, 77.9419



76.7798, 85.7436, 76.7948



16.4993, 16.4826, 17.1098



20.2863, 10.4579, 0.9499



1.7830, 0.9192, 0.0836

Previews

White Background



This preview shows how the XYZ color 68.5024, 69.5190, 94.6021 looks on a white background.

Color Contrast Check

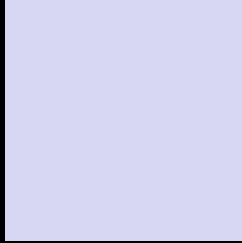
Large Text (above 18pt) WCAG AA × Fail

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 68.5024, 69.5190, 94.6021 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

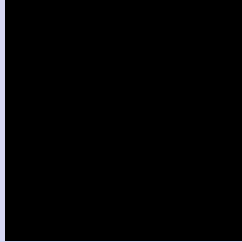
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.5024, 69.5190, 94.6021

Background



This preview shows how black text looks on a background with the XYZ color 68.5024, 69.5190, 94.6021.

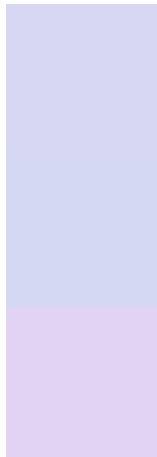


This preview shows how white text looks on a background with the XYZ color 68.5024, 69.5190,

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

68.5024, 69.5190, 94.6021

Protanopia

68.1741, 69.7289, 94.6599

Deuteranopia

70.9874, 69.2889, 95.2206



Tritanopia

67.1047, 69.7124, 87.7609

Trichromacy



Original Color

68.5024, 69.5190, 94.6021

Protanomaly

68.4651, 69.8789, 94.6735

Deuteranomaly

69.9968, 69.1482, 95.2457

Tritanomaly

67.5735, 69.5223, 89.9784

Monochromacy



Original Color

68.5024, 69.5190, 94.6021

Achromatopsia

66.6397, 70.1102, 76.3500

Achromatomaly

67.2933, 69.9235, 82.6229

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.5024, 69.5190, 94.6021 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, 215, 243)` looks like.

```
.text, #text, p{  
    color:rgb(215, 215, 243)  
}
```

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, 215, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 215, 243) }
```

Border

The CSS property to change the border of an element to XYZ 68.5024, 69.5190, 94.6021 is called "border". The border property can be set on classes, ids or directly on the HTML element.

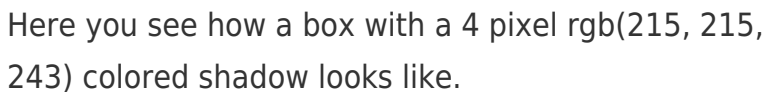
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(215, 215, 243) }
```


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

```
.border{ border-color:rgb(215, 215, 243) }
```

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



Here you see how a box with a 4 pixel `rgb(215, 215, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 215, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 215, 243);  
box-shadow:4px 4px 4px 4px rgb(215, 215,  
243) }
```

Background

The CSS property to change the background color of an element to XYZ 68.5024, 69.5190, 94.6021 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 215, 243) }
```

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

```
.background{ background-color: rgb(215,  
215, 243) }
```

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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