

Converting Colors

XYZ(66.4489, 69.2944, 89.9462)

Have a look what the booklet for
XYZ(66.4489, 69.2944, 89.9462)
contains.

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Color

**XYZ(66.3934, 69.2954,
89.9968)**

Conversions

Conversions Part 1

Format	Color
Hex	D1D9ED
RGB	209, 217, 237
RGB Percent	82%, 85%, 93%
CMY	0.1804, 0.1490, 0.0706
CMYK	0.12, 0.08, 0.00, 0.07
HSL	223°, 44%, 87%
HSV	223°, 12%, 93%
XYZ	66.3934, 69.2954, 89.9968
YIQ	216.8880, -11.1880, 4.5240

Conversions

Conversions Part 2

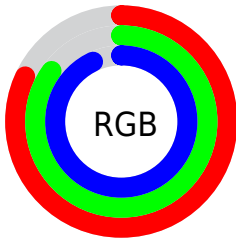
Format	Color
R_{YB}	209, 215, 237
Decimal	13752813
CIE _{Lab}	86.65, 1.18, -10.71
CIE _{LCh}	87, 10.777, 276.308
Yxy	69.2954, 0.2942, 0.3070
Android (android.graphics.Color)	4291942893 (0xFFD1D9ED)
YUV	216.8880, 9.9152, -6.9178
Hunter-Lab	83.2439, -3.3092, -5.8290

Details

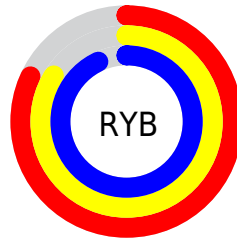
The XYZ color **66.3934, 69.2954, 89.9968** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **74.4534, 78.6463, 71.5791**, and the grayscale version is **65.8180, 69.2457, 75.4086**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **34.5872, 36.0469, 48.8509** is the 20% darker color. If you saturate the color by 10%, you get **56.0393, 57.8113, 88.3270**, and if you desaturate by 10%, it is **78.1966, 82.1945, 91.8656**.

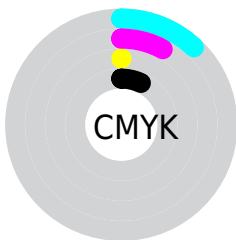
Distribution



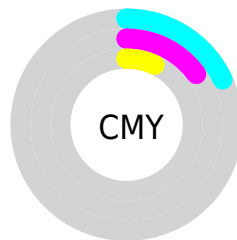
- Red (82%)
- Green (85%)
- Blue (93%)



- Red (82%)
- Yellow (84%)
- Blue (93%)



- Cyan (12%)
- Magenta (8%)
- Yellow (0%)
- Black (7%)



- Cyan (18%)
- Magenta (15%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 66.3934, 69.2954, 89.9968 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 66.3934, 69.2954, 89.9968 by changing the saturation by 10% instead.

■ 66.3934, 69.2954,
89.9968

■ 66.3934, 69.2954,
89.9968

437.2490,
458.0721, 548.5903

■ 48.8607, 50.9523,
67.4043

113.1054,
118.2034, 149.2694

■ 34.7231, 36.1707,
48.9496

143.0154,
149.5371, 186.7866

■ 23.6151, 24.5660,
34.2142

177.7819,
185.9698, 230.1158

■ 15.1716, 15.7540,
22.7795

217.7702,
227.8859, 279.6755

■ 9.0270, 9.3503,
14.2270

263.3457,
275.6698, 335.8843

■ 4.8160, 4.9703,
8.1382

314.8738,

■ 2.1734, 2.2299,

329.7059, 399.1606

4.0944

372.7198,
390.3785, 469.9231

■ 0.7287, 0.7362,
1.6773

■ 0.0000, 0.0000,
0.3451

■ 66.3934, 69.2954,
89.9968

■ 66.3934, 69.2954,
89.9968

■ 56.0393, 57.8113,
88.3270

■ 78.1966, 82.1945,
91.8656

■ 47.0707, 47.6841,
86.8449

■ 90.9789, 96.2798,
93.9106

■ 39.4286, 38.8641,
85.5453

■ 92.2863, 98.8945,
94.3464

■ 33.0469, 31.2953,
84.4207

■ 27.8537, 24.9174,
83.4633

■ 23.7693, 19.6645,
82.6647

■ 20.7034, 15.4634,
82.0154

■ 18.5495, 12.2306,
81.5049

■ 17.3376, 10.2172,
81.1802

Harmonies

Analogous

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



63.9482, 69.2954, 88.7895



66.3934, 69.2954, 89.9968



68.7543, 69.2954, 87.1122

Triad

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



66.3934, 69.2954, 89.9968



69.8182, 69.2954, 67.5802



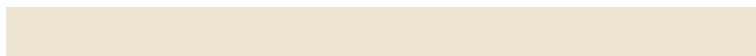
61.5536, 69.2954, 70.0468

Complementary

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



66.3934, 69.2954, 89.9968



74.4534, 78.6463, 71.5791

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.



63.0543, 69.2954, 64.8797



66.3934, 69.2954, 89.9968



67.8161, 69.2954, 63.5199

Square

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



66.3934, 69.2954, 89.9968



70.7636, 69.2954, 73.9466



65.3358, 69.2954, 62.5634



61.1944, 69.2954, 76.9755

Rectangle

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



66.3934, 69.2954, 89.9968



69.9493, 69.2954, 83.3582



65.3358, 69.2954, 62.5634



61.9394, 69.2954, 68.0602

Sweetspot

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



66.3955, 69.2983, 89.9983



89.1164, 93.5564, 107.9690



70.6670, 79.7597, 85.5081



18.8425, 19.7722, 23.0732



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.



66.3955, 69.2983, 89.9983



75.5126, 78.6444, 105.8077



65.9949, 66.1034, 89.4028



14.5818, 15.2501, 19.0973



9.5623, 5.7717, 44.3530



0.8305, 0.6125, 3.5093

Inverse Universe

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



70.2515, 68.6168, 75.1906



80.8632, 77.7650, 85.2462



74.8783, 82.2286, 72.2482



15.2425, 15.1248, 16.5622



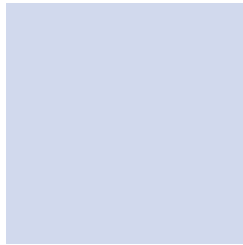
19.6819, 10.0755, 4.1264



1.5857, 0.8072, 0.5357

Previews

White Background



This preview shows how the XYZ color 66.3934, 69.2954, 89.9968 looks on a white background.

Color Contrast Check

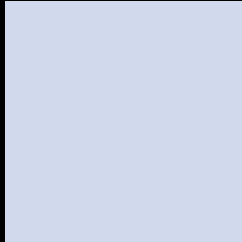
Large Text (above 18pt) WCAG AA × Fail

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 66.3934, 69.2954, 89.9968 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

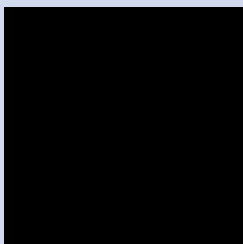
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

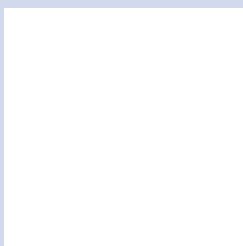
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 66.3934, 69.2954, 89.9968

Background



This preview shows how black text looks on a background with the XYZ color 66.3934, 69.2954, 89.9968.



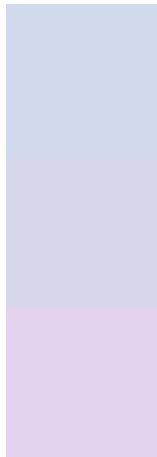
This preview shows how white text looks on a background with the XYZ color 66.3934, 69.2954,

89.9968.

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

66.3934, 69.2954, 89.9968

Protanopia

67.4651, 69.1041, 89.1395

Deuteranopia

70.7218, 69.2556, 90.5291



Tritanopia

66.1027, 69.1792, 88.4662

Trichromacy



Original Color

66.3934, 69.2954, 89.9968

Protanomaly

67.1368, 69.3140, 89.1973

Deuteranomaly

69.0457, 69.1337, 90.5940

Tritanomaly

66.2477, 69.2371, 89.2294

Monochromacy



Original Color

66.3934, 69.2954, 89.9968

Achromatopsia

65.9525, 69.3872, 75.5626

Achromatomaly

65.9990, 69.3037, 80.4194

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.3934, 69.2954, 89.9968 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(209, 217, 237) looks like.

```
.text, #text, p{  
    color:rgb(209, 217, 237)  
}
```

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(209, 217, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 217, 237) }
```

Border

The CSS property to change the border of an element to XYZ 66.3934, 69.2954, 89.9968 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(209, 217, 237) }
```


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

```
.border{ border-color:rgb(209, 217, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 217, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 217, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 217, 237);  
box-shadow:4px 4px 4px 4px rgb(209, 217,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 66.3934, 69.2954, 89.9968 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 217, 237) }
```

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

```
.background{ background-color: rgb(209,  
217, 237) }
```

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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