

Converting Colors

XYZ(69.6909, 75.0370, 89.5611)

Have a look what the booklet for
XYZ(69.6909, 75.0370, 89.5611)
contains.

XYZ(69.6159, 74.9334, 89.3917)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(69.6159, 74.9334,
89.3917)**

Conversions

Conversions Part 1

Format	Color
Hex	D4E3EB
RGB	212, 227, 235
RGB Percent	83%, 89%, 92%
CMY	0.1686, 0.1098, 0.0784
CMYK	0.10, 0.03, 0.00, 0.08
HSL	201°, 37%, 88%
HSV	201°, 10%, 92%
XYZ	69.6159, 74.9334, 89.3917
YIQ	223.4270, -11.5080, -0.6920

Conversions

Conversions Part 2

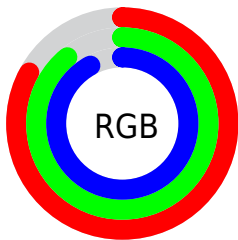
Format	Color
R_{YB}	212, 221, 235
Decimal	13951979
CIE _{Lab}	89.36, -3.44, -5.61
CIE _{LCh}	89, 6.585, 238.509
Yxy	74.9334, 0.2976, 0.3203
Android (android.graphics.Color)	4292142059 (0xFFD4E3EB)
YUV	223.4270, 5.7055, -10.0215
Hunter-Lab	86.5641, -7.9352, -0.6319

Details

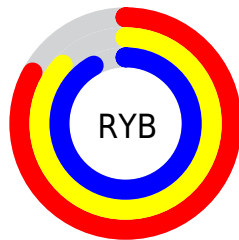
The XYZ color **69.6159, 74.9334, 89.3917** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **71.7382, 73.6017, 72.7143**, and the grayscale version is **70.4113, 74.0781, 80.6711**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.7938, 39.9278, 48.4154** is the 20% darker color. If you saturate the color by 10%, you get **61.1469, 67.3302, 88.3717**, and if you desaturate by 10%, it is **79.1813, 83.2633, 90.4966**.

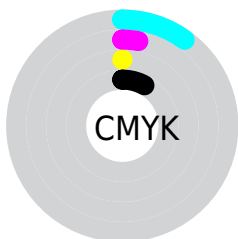
Distribution



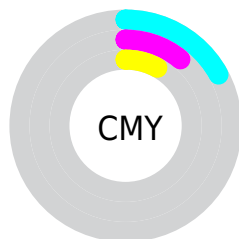
- Red (83%)
- Green (89%)
- Blue (92%)



- Red (83%)
- Yellow (87%)
- Blue (92%)



- Cyan (10%)
- Magenta (3%)
- Yellow (0%)
- Black (8%)



- Cyan (17%)
- Magenta (11%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.6159, 74.9334, 89.3917 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 69.6159, 74.9334, 89.3917 by changing the saturation by 10% instead.

■ 69.6159, 74.9334,
89.3917

■ 69.6159, 74.9334,
89.3917

448.4877,
477.6886, 546.5690

■ 51.4919, 55.5583,
66.9054

117.6901,
126.2181, 148.4213

■ 36.8229, 39.8489,
48.5466

148.3710,
158.8965, 185.8016

■ 25.2434, 27.4208,
33.8969

183.9683,
196.7781, 228.9837

■ 16.3882, 17.8895,
22.5377

224.8473,
240.2474, 278.3860

■ 9.8919, 10.8707,
14.0504

271.3734,
289.6887, 334.4272

■ 5.3890, 5.9799,
8.0166

323.9119,

■ 2.5144, 2.8329,

345.4864, 397.5257

4.0176

382.8282,
408.0249, 468.1002

■ 0.9025, 1.0451,
1.6350

■ 0.0000, 0.0000,
0.3156

■ 69.6159, 74.9334,
89.3917

■ 69.6159, 74.9334,
89.3917

■ 61.1469, 67.3302,
88.3717

■ 79.1813, 83.2633,
90.4966

■ 53.7239, 60.4195,
87.4290

■ 88.3899, 91.5669,
91.6139

■ 47.3021, 54.1780,
86.5627

■ 90.8945, 96.5759,
92.4488

■ 41.8307, 48.5773,
85.7701

■ 91.9956, 98.7782,
92.8158

■ 37.2543, 43.5865,
85.0480

■ 33.5110, 39.1713,
84.3930

■ 30.5305, 35.2932,
83.8016

■ 28.2294, 31.9066,
83.2692

■ 26.4702, 28.9381,
82.7889

Harmonies

Analogous

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



68.5342, 74.9334, 85.8982



69.6159, 74.9334, 89.3917



71.1414, 74.9334, 90.7844

Triad

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



69.6159, 74.9334, 89.3917



74.3640, 74.9334, 81.8208



69.7535, 74.9334, 74.0389

Complementary

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



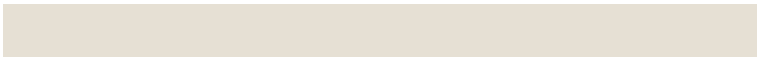
69.6159, 74.9334, 89.3917



71.7382, 73.6017, 72.7143

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.



71.3026, 74.9334, 73.0378



69.6159, 74.9334, 89.3917



73.9791, 74.9334, 77.4278

Square

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



69.6159, 74.9334, 89.3917



73.8965, 74.9334, 86.3127



72.8525, 74.9334, 74.2555



68.6128, 74.9334, 77.0423

Rectangle

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



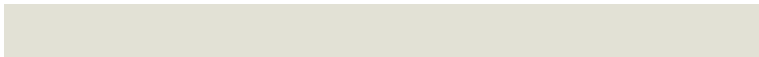
69.6159, 74.9334, 89.3917



72.2100, 74.9334, 90.2957



72.8525, 74.9334, 74.2555



70.2430, 74.9334, 73.4622

Sweetspot

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



69.6181, 74.9365, 89.3934



91.4487, 96.8926, 108.4900



69.7352, 78.5647, 78.9693



19.3722, 20.5642, 23.1982



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.



69.6181, 74.9365, 89.3934



81.3740, 88.0501, 107.3142



66.6613, 69.0230, 88.4078



15.0513, 16.1891, 19.2538



14.8361, 16.3192, 46.1109



1.2544, 1.4602, 3.6506

Inverse Universe

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



71.6713, 70.2968, 82.4679



84.3873, 81.3402, 97.1281



74.7684, 79.6621, 73.7244



15.4795, 15.2196, 17.8101



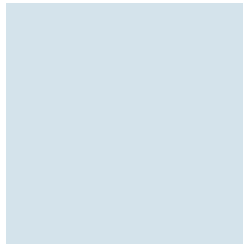
22.3439, 11.1402, 18.1440



1.7996, 0.8928, 1.6623

Previews

White Background



This preview shows how the XYZ color 69.6159, 74.9334, 89.3917 looks on a white background.

Color Contrast Check

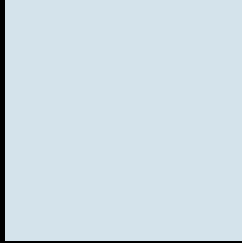
Large Text (above 18pt) WCAG AA × Fail

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 69.6159, 74.9334, 89.3917 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

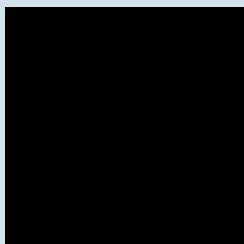
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

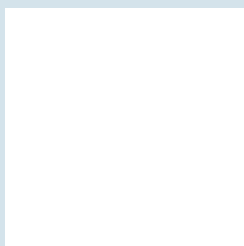
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 69.6159, 74.9334, 89.3917

Background



This preview shows how black text looks on a background with the XYZ color 69.6159, 74.9334, 89.3917.

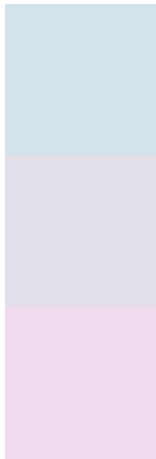


This preview shows how white text looks on a background with the XYZ color 69.6159, 74.9334,

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

69.6159, 74.9334, 89.3917

Protanopia

72.4597, 74.8273, 87.7149

Deuteranopia

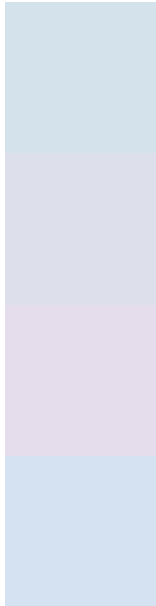
76.2926, 74.7825, 90.5342



Tritanopia

70.9661, 75.0705, 96.3377

Trichromacy



Original Color

69.6159, 74.9334, 89.3917

Protanomaly

71.3257, 74.6240, 88.4865

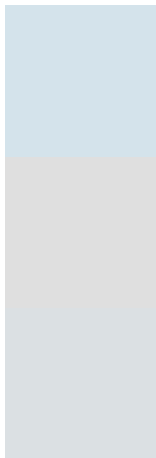
Deuteranomaly

73.6299, 74.5920, 89.8739

Tritanomaly

70.5141, 74.8897, 93.9578

Monochromacy



Original Color

69.6159, 74.9334, 89.3917

Achromatopsia

70.1384, 73.7910, 80.3584

Achromatomaly

69.7342, 73.9174, 83.2651

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.6159, 74.9334, 89.3917 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(212, 227, 235)` looks like.

```
.text, #text, p{  
    color:rgb(212, 227, 235)  
}
```

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(212, 227, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 227, 235) }
```

Border

The CSS property to change the border of an element to XYZ 69.6159, 74.9334, 89.3917 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(212, 227, 235) }
```


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

```
.border{ border-color:rgb(212, 227, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 227, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 227, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 227, 235);  
box-shadow:4px 4px 4px 4px rgb(212, 227,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 69.6159, 74.9334, 89.3917 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 227, 235) }
```

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

```
.background{ background-color: rgb(212,  
227, 235) }
```

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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