

Converting Colors

XYZ(69.6321, 73.3985, 99.9152)

Have a look what the booklet for
XYZ(69.6321, 73.3985, 99.9152)
contains.

XYZ(69.7670, 73.5608, 100.1441)	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(69.7670, 73.5608,
100.1441)**

Conversions

Conversions Part 1

Format	Color
Hex	D0E0F9
RGB	208, 224, 249
RGB Percent	82%, 88%, 98%
CMY	0.1843, 0.1215, 0.0235
CMYK	0.16, 0.10, 0.00, 0.02
HSL	217°, 77%, 90%
HSV	217°, 16%, 98%
XYZ	69.7670, 73.5608, 100.1441
YIQ	222.0660, -17.5610, 4.3830

Conversions

Conversions Part 2

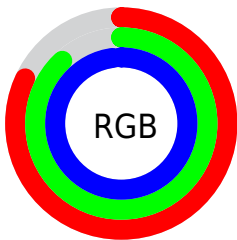
Format	Color
R _Y B	208, 220, 249
Decimal	13689081
CIE Lab	88.71, -0.32, -13.96
CIE LCh	89, 13.961, 268.671
Yxy	73.5608, 0.2866, 0.3021
Android (android.graphics.Color)	4291879161 (0xFFD0E0F9)
YUV	222.0660, 13.2785, -12.3359
Hunter-Lab	85.7676, -4.8938, -9.1910

Details

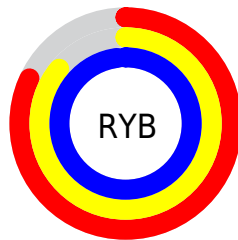
The XYZ color **69.7670, 73.5608, 100.1441** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **79.5916, 82.9715, 71.4963**, and the grayscale version is **69.3977, 73.0118, 79.5098**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.9505, 38.9985, 56.0320** is the 20% darker color. If you saturate the color by 10%, you get **59.4091, 62.4339, 98.5435**, and if you desaturate by 10%, it is **81.5927, 85.9890, 101.9209**.

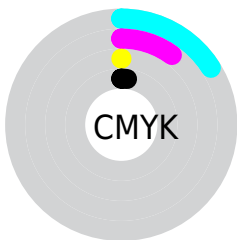
Distribution



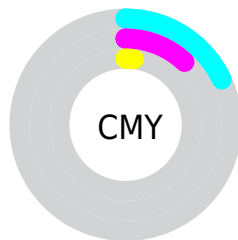
- Red (82%)
- Green (88%)
- Blue (98%)



- Red (82%)
- Yellow (86%)
- Blue (98%)



- Cyan (16%)
- Magenta (10%)
- Yellow (0%)
- Black (2%)



- Cyan (18%)
- Magenta (12%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.7670, 73.5608, 100.1441 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 69.7670, 73.5608, 100.1441 by changing the saturation by 10% instead.

■ 69.7670, 73.5608,
100.1441

■ 69.7670, 73.5608,
100.1441

449.0107,
472.9562, 581.9052

■ 51.6155, 54.4346,
75.8033

117.9045,
124.2730, 163.4088

■ 36.9217, 38.9493,
55.7656

148.6212,
156.6279, 203.1698

■ 25.3203, 26.7203,
39.6123

184.2571,
194.1611, 248.9080

■ 16.4458, 17.3632,
26.9249

225.1774,
237.2570, 301.0419

■ 9.9330, 10.4938,
17.2849

271.7476,
286.3001, 359.9900

■ 5.4165, 5.7276,
10.2737

324.3329,

■ 2.5309, 2.6801,

341.6747, 426.1709

5.4728

383.2989,
403.7653, 500.0031

■ 0.9109, 0.9671,
2.4637

■ 0.0000, 0.0000,
0.8208

■ 69.7670, 73.5608,
100.1441

■ 69.7670, 73.5608,
100.1441

■ 59.4091, 62.4339,
98.5435

■ 81.5927, 85.9890,
101.9209

■ 50.4517, 52.5538,
97.1085

■ 93.8977, 99.2168,
103.8256

■ 42.8320, 43.8753,
95.8350

■ 94.0991, 99.6196,
103.8927

■ 36.4793, 36.3468,
94.7167

■ 31.3161, 29.9122,
93.7468

■ 27.2554, 24.5096,
92.9181

■ 24.1963, 20.0693,
92.2222

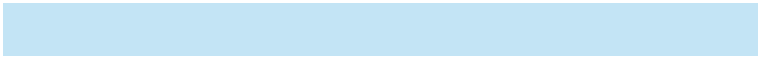
■ 22.0153, 16.5085,
91.6499

■ 21.3912, 15.4238,
91.4734

Harmonies

Analogous

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



66.5979, 73.5608, 97.0384



69.7670, 73.5608, 100.1441



73.0765, 73.5608, 97.5289

Triad

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



69.7670, 73.5608, 100.1441



75.7656, 73.5608, 71.5071



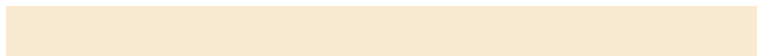
64.5205, 73.5608, 70.8174

Complementary

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



69.7670, 73.5608, 100.1441



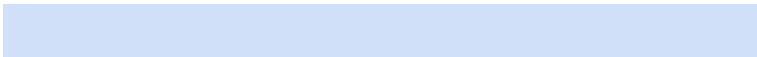
79.5916, 82.9715, 71.4963

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.



66.8505, 73.5608, 64.8737



69.7670, 73.5608, 100.1441



73.3452, 73.5608, 65.2488

Square

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



69.7670, 73.5608, 100.1441



76.6061, 73.5608, 80.5268



70.0679, 73.5608, 62.9184



63.6297, 73.5608, 79.6651

Rectangle

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



69.7670, 73.5608, 100.1441



74.9033, 73.5608, 93.0028



70.0679, 73.5608, 62.9184



65.1576, 73.5608, 68.4408

Sweetspot

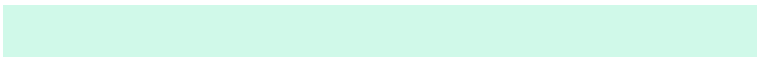
The Sweet Spot groups the original color and five complimentary colors.



69.7692, 73.5638, 100.1458



88.0839, 92.8016, 107.8777



74.5404, 87.0230, 89.6614



18.6510, 19.6530, 23.0603



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.



69.7692, 73.5638, 100.1458



69.5822, 73.3181, 105.0922



66.8365, 65.9649, 98.8336



16.8387, 17.7541, 21.9247



11.5784, 8.5123, 49.0063



1.1720, 0.9877, 4.5721

Inverse Universe

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



75.0791, 70.6351, 80.2013



76.2746, 69.8224, 79.9111



82.8835, 91.7012, 73.0078



17.5251, 17.3374, 19.3549



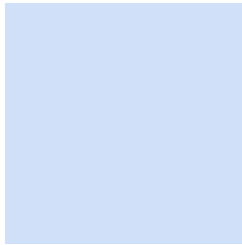
22.1362, 11.2702, 7.4259



2.1005, 1.0639, 0.9527

Previews

White Background



This preview shows how the XYZ color 69.7670, 73.5608, 100.1441 looks on a white background.

Color Contrast Check

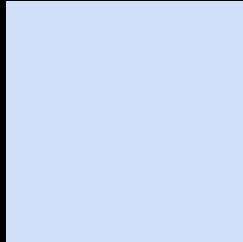
Large Text (above 18pt) WCAG AA × Fail

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 69.7670, 73.5608, 100.1441 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

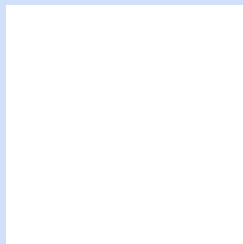
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 69.7670, 73.5608, 100.1441

Background



This preview shows how black text looks on a background with the XYZ color 69.7670, 73.5608, 100.1441.



This preview shows how white text looks on a background with the XYZ color 69.7670, 73.5608,

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

69.7670, 73.5608, 100.1441

Protanopia

71.8584, 73.4884, 98.3930

Deuteranopia

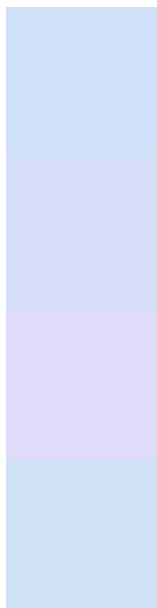
75.0232, 73.5168, 100.6785



Tritanopia

68.8350, 73.5869, 95.3697

Trichromacy



Original Color

69.7670, 73.5608, 100.1441

Protanomaly

71.0889, 73.4669, 99.2407

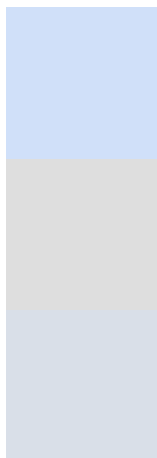
Deuteranomaly

73.2799, 73.7765, 100.8205

Tritanomaly

69.1388, 73.7084, 96.9693

Monochromacy



Original Color

69.7670, 73.5608, 100.1441

Achromatopsia

69.4303, 73.0461, 79.5472

Achromatomaly

69.5684, 73.3533, 86.8359

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.7670, 73.5608, 100.1441 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(208, 224, 249)` looks like.

```
.text, #text, p{  
    color:rgb(208, 224, 249)  
}
```

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(208, 224, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 224, 249) }
```

Border

The CSS property to change the border of an element to XYZ 69.7670, 73.5608, 100.1441 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(208, 224, 249) }
```


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

```
.border{ border-color:rgb(208, 224, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 224, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 224, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 224, 249);  
box-shadow:4px 4px 4px 4px rgb(208, 224,  
249) }
```

Background

The CSS property to change the background color of an element to XYZ 69.7670, 73.5608, 100.1441 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 224, 249) }
```

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

```
.background{ background-color: rgb(208,  
224, 249) }
```

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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