

Converting Colors

XYZ(68.6771, 73.3739,
107.3580)

Have a look what the booklet for
XYZ(68.6771, 73.3739, 107.3580)
contains.

XYZ(68.2639, 73.0762, 105.1150)	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(68.2639, 73.0762,
105.1150)**

Conversions

Conversions Part 1

Format	Color
Hex	C6E1FF
RGB	198, 225, 255
RGB Percent	78%, 88%, 100%
CMY	0.2235, 0.1176, 0.0000
CMYK	0.22, 0.12, 0.00, 0.00
HSL	212°, 100%, 89%
HSV	212°, 22%, 100%
XYZ	68.2639, 73.0762, 105.1150
YIQ	220.3470, -25.7220, 3.6060

Conversions

Conversions Part 2

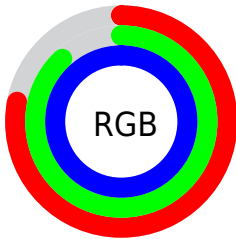
Format	Color
R _Y B	198, 216, 255
Decimal	13033983
CIE Lab	88.48, -2.59, -17.52
CIE LCh	88, 17.712, 261.581
Yxy	73.0762, 0.2770, 0.2965
Android (android.graphics.Color)	4291224063 (0xFFC6E1FF)
YUV	220.3470, 17.0839, -19.5983
Hunter-Lab	85.4846, -7.0566, -13.0659

Details

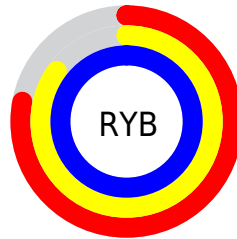
The XYZ color **68.2639, 73.0762, 105.1150** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **79.1763, 80.8231, 64.8551**, and the grayscale version is **68.1688, 71.7188, 78.1018**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.8955, 38.6663, 58.9975** is the 20% darker color. If you saturate the color by 10%, you get **58.6137, 62.9274, 103.6647**, and if you desaturate by 10%, it is **79.3348, 84.3844, 106.7142**.

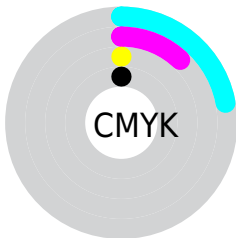
Distribution



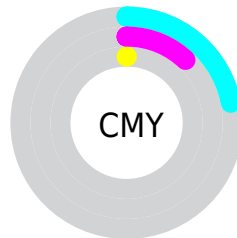
- Red (78%)
- Green (88%)
- Blue (100%)



- Red (78%)
- Yellow (85%)
- Blue (100%)



- Cyan (22%)
- Magenta (12%)
- Yellow (0%)
- Black (0%)



- Cyan (22%)
- Magenta (12%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.2639, 73.0762, 105.1150 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 68.2639, 73.0762, 105.1150 by changing the saturation by 10% instead.

■ 68.2639, 73.0762,
105.1150

■ 68.2639, 73.0762,
105.1150

443.7925,
471.2789, 597.8565

■ 50.3869, 54.0383,
79.9385

115.7694,
123.5854, 170.2817

■ 35.9400, 38.6323,
59.1419

146.1287,
155.8254, 211.1091

■ 24.5577, 26.4738,
42.3066

181.3794,
193.2350, 257.9904

■ 15.8748, 17.1784,
29.0141

221.8870,
236.1984, 311.3443

■ 9.5259, 10.3618,
18.8458

268.0167,
285.1001, 371.5894

■ 5.1456, 5.6395,
11.3832

320.1340,

■ 2.3686, 2.6271,

340.3245, 439.1440

6.2078

378.6041,
402.2559, 514.4269

■ 0.8294, 0.9403,
2.9010

■ 0.0000, 0.0000,
1.0443

■ 68.2639, 73.0762,
105.1150

■ 68.2639, 73.0762,
105.1150

■ 58.6137, 62.9274,
103.6647

■ 79.3348, 84.3844,
106.7142

■ 50.3150, 53.8871,
102.3571

■ 91.8793, 96.8830,
108.4655

■ 43.3016, 45.9130,
101.1876

■ 95.0500, 100.0000,
108.9000

■ 37.4987, 38.9561,
100.1506

■ 32.8231, 32.9627,
99.2402

■ 29.1795, 27.8723,
98.4497

■ 26.4538, 23.6142,
97.7715

■ 24.8635, 20.8471,
97.3212

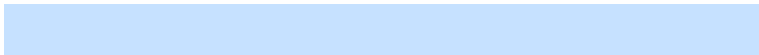
Harmonies

Analogous

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



64.4880, 73.0762, 99.4083



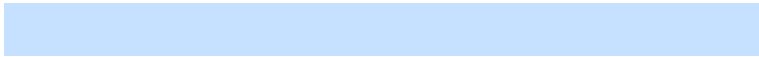
68.2639, 73.0762, 105.1150



72.5148, 73.0762, 103.4475

Triad

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



68.2639, 73.0762, 105.1150



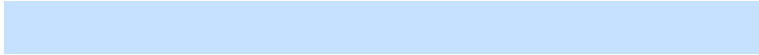
77.3591, 73.0762, 71.2435



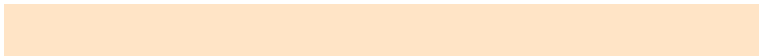
63.2320, 73.0762, 65.8567

Complementary

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



68.2639, 73.0762, 105.1150



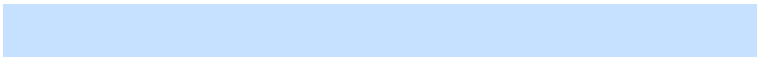
79.1763, 80.8231, 64.8551

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.



66.4859, 73.0762, 59.6782



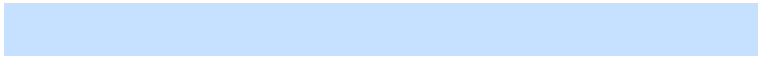
68.2639, 73.0762, 105.1150



74.6744, 73.0762, 62.5598

Square

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



68.2639, 73.0762, 105.1150



77.8826, 73.0762, 83.0532



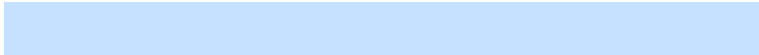
70.6634, 73.0762, 58.5361



61.6616, 73.0762, 76.1808

Rectangle

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



68.2639, 73.0762, 105.1150



75.0386, 73.0762, 98.4455



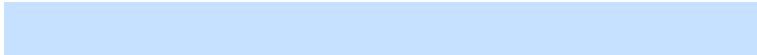
70.6634, 73.0762, 58.5361



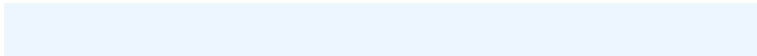
64.1587, 73.0762, 63.2718

Sweetspot

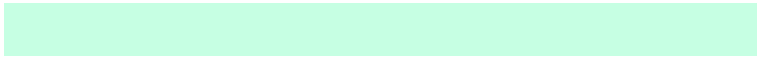
The Sweet Spot groups the original color and five complimentary colors.



68.2659, 73.0791, 105.1154



85.8613, 90.9226, 107.6322



72.9770, 89.0972, 86.3513



18.2157, 19.2996, 23.0151



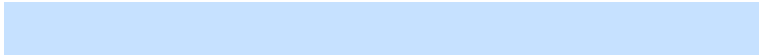
0.0000, 0.0000, 0.0000



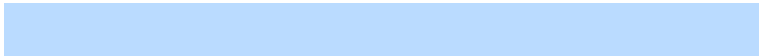
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



68.2659, 73.0791, 105.1154



63.6069, 68.2194, 104.4230



61.7854, 59.7451, 102.8833



17.7127, 18.7971, 22.9446



13.1387, 11.1870, 50.9014



1.3877, 1.3061, 4.9922

Inverse Universe

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



75.0260, 67.0859, 80.2321



71.5860, 61.5433, 74.9631



86.8447, 96.6776, 67.5112



18.3677, 18.1304, 20.5532



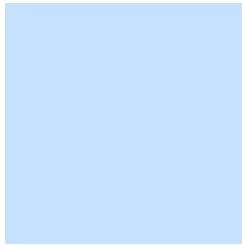
23.4200, 11.8573, 10.8622



2.3350, 1.1764, 1.3458

Previews

White Background



This preview shows how the XYZ color 68.2639, 73.0762, 105.1150 looks on a white background.

Color Contrast Check

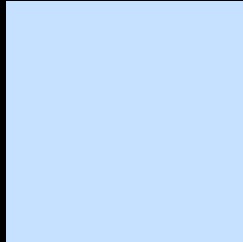
Large Text (above 18pt) WCAG AA × Fail

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 68.2639, 73.0762, 105.1150 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

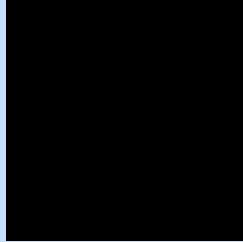
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

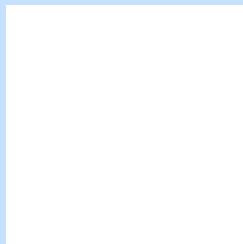
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.2639, 73.0762, 105.1150

Background



This preview shows how black text looks on a background with the XYZ color 68.2639, 73.0762, 105.1150.



This preview shows how white text looks on a background with the XYZ color 68.2639, 73.0762,

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

68.2639, 73.0762, 105.1150

Protanopia

71.7792, 72.9664, 102.3962

Deuteranopia

74.2269, 73.0145, 104.7888



Tritanopia

66.7155, 73.2665, 97.0118

Trichromacy



Original Color

68.2639, 73.0762, 105.1150

Protanomaly

70.4292, 73.0360, 103.3139

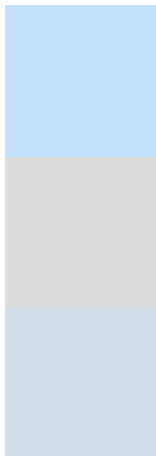
Deuteranomaly

71.9621, 73.0053, 104.9064

Tritanomaly

67.3212, 73.1026, 100.1845

Monochromacy



Original Color

68.2639, 73.0762, 105.1150

Achromatopsia

68.0267, 71.5694, 77.9390

Achromatomaly

67.9806, 72.1228, 87.4289

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.2639, 73.0762, 105.1150 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(198, 225, 255)` looks like.

```
.text, #text, p{  
    color:rgb(198, 225, 255)  
}
```

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(198, 225, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 225, 255) }
```

Border

The CSS property to change the border of an element to XYZ 68.2639, 73.0762, 105.1150 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(198, 225, 255) }
```


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

```
.border{ border-color:rgb(198, 225, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 225, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 225, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 225, 255);  
box-shadow:4px 4px 4px 4px rgb(198, 225,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 68.2639, 73.0762, 105.1150 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 225, 255) }
```

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

```
.background{ background-color: rgb(198,  
225, 255) }
```

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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