

Converting Colors

XYZ(78.1945, 82.1290,
151.4168)

Have a look what the booklet for
XYZ(78.1945, 82.1290, 151.4168)
contains.

XYZ(69.5694, 78.7355, 106.1385)	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(69.5694, 78.7355,
106.1385)**

Conversions

Conversions Part 1

Format	Color
Hex	BEEDFF
RGB	190, 237, 255
RGB Percent	75%, 93%, 100%
CMY	0.2549, 0.0706, 0.0000
CMYK	0.25, 0.07, 0.00, 0.00
HSL	197°, 100%, 87%
HSV	197°, 25%, 100%
XYZ	69.5694, 78.7355, 106.1385
YIQ	224.9990, -33.7900, -4.3660

Conversions

Conversions Part 2

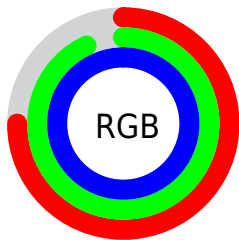
Format	Color
R _Y B	190, 217, 255
Decimal	12512767
CIE Lab	91.11, -11.09, -13.63
CIE LCh	91, 17.571, 230.845
Yxy	78.7355, 0.2734, 0.3094
Android (android.graphics.Color)	4290702847 (0xFFBEEDFF)
YUV	224.9990, 14.7905, -30.6941
Hunter-Lab	88.7330, -15.3334, -8.8069

Details

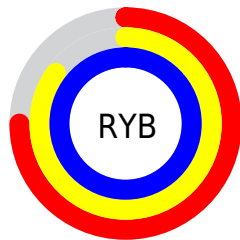
The XYZ color **69.5694, 78.7355, 106.1385** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **73.0902, 70.0890, 58.3933**, and the grayscale version is **71.4836, 75.2063, 81.8997**.

A 20% lighter version of the original color is **92.1678, 98.5142, 108.7651**, and **36.7086, 42.2759, 59.6514** is the 20% darker color. If you saturate the color by 10%, you get **61.7453, 71.7289, 105.1985**, and if you desaturate by 10%, it is **78.5925, 86.4837, 107.1585**.

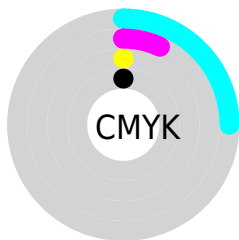
Distribution



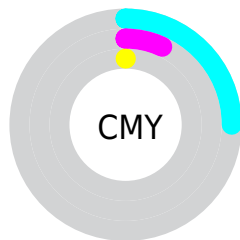
- Red (75%)
- Green (93%)
- Blue (100%)



- Red (75%)
- Yellow (85%)
- Blue (100%)



- Cyan (25%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)



- Cyan (25%)
- Magenta (7%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.5694, 78.7355, 106.1385 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 69.5694, 78.7355, 106.1385 by changing the saturation by 10% instead.

69.5694, 78.7355,
106.1385

69.5694, 78.7355,
106.1385

448.3267,
490.6611, 601.1130

51.4539, 58.6784,
80.7915

117.6241,
131.5864, 171.6928

36.7925, 42.3543,
59.8399

148.2940,
165.1490, 212.7372

25.2198, 29.3788,
42.8652

183.8794,
203.9822, 259.8511

16.3705, 19.3676,
29.4487

224.7457,
248.4704, 313.4532

9.8792, 11.9362,
19.1720

271.2582,
298.9980, 373.9618

5.3806, 6.7002,
11.6166

323.7823,

2.5093, 3.2753,

355.9494, 441.7957

6.3638

382.6834,
419.7089, 517.3732

■ 0.8999, 1.2771,
2.9952

■ 0.0000, 0.1234,
1.0922

■ 69.5694, 78.7355,
106.1385

■ 69.5694, 78.7355,
106.1385

■ 61.7453, 71.7289,
105.1985

■ 78.5925, 86.4837,
107.1585

■ 55.0548, 65.4228,
104.3339

■ 88.8629, 94.9937,
108.2598

■ 49.4358, 59.7859,
103.5420

95.0500, 100.0000,
108.9000

■ 44.8174, 54.7801,
102.8192

■ 41.1195, 50.3628,
102.1615

■ 38.2485, 46.4842,
101.5642

■ 36.0892, 43.0835,
101.0216

■ 35.2735, 41.6670,
100.7912

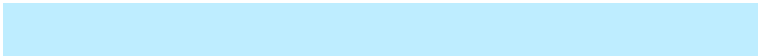
Harmonies

Analogous

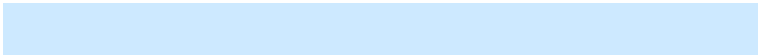
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



67.1315, 78.7355, 94.7348



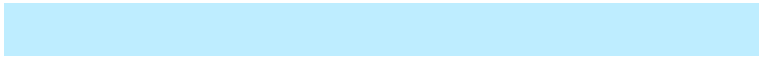
69.5694, 78.7355, 106.1385



73.4845, 78.7355, 112.2276

Triad

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



69.5694, 78.7355, 106.1385



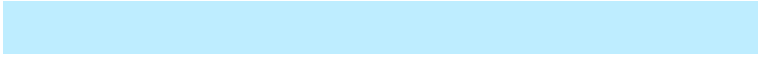
83.5918, 78.7355, 89.6822



71.8364, 78.7355, 64.8346

Complementary

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



69.5694, 78.7355, 106.1385



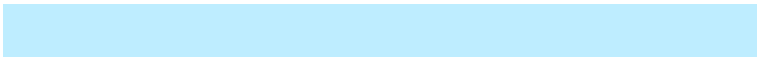
73.0902, 70.0890, 58.3933

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.



76.2034, 78.7355, 63.7698



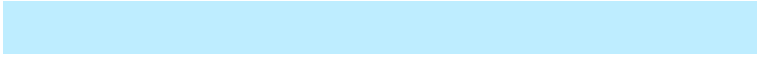
69.5694, 78.7355, 106.1385



83.1079, 78.7355, 77.3139

Square

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



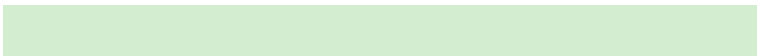
69.5694, 78.7355, 106.1385



81.6586, 78.7355, 102.1271



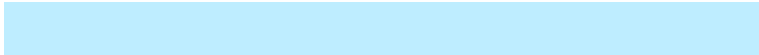
80.3613, 78.7355, 68.1204



68.4039, 78.7355, 71.1885

Rectangle

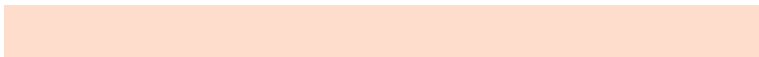
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



69.5694, 78.7355, 106.1385



76.4548, 78.7355, 112.0778



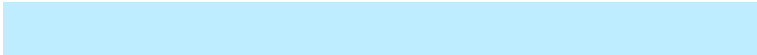
80.3613, 78.7355, 68.1204



73.2397, 78.7355, 63.8728

Sweetspot

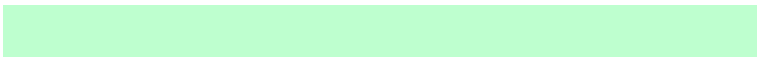
The Sweet Spot groups the original color and five complimentary colors.



69.5715, 78.7386, 106.1390



86.1636, 92.7833, 107.9754



68.2996, 86.9890, 72.4377



18.1047, 19.5811, 23.0753



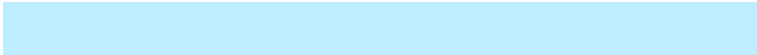
0.0000, 0.0000, 0.0000



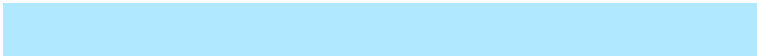
20.3446, 21.4041, 23.3091

Same Dimension

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



69.5715, 78.7386, 106.1390



65.1143, 74.7865, 105.6111



61.1578, 61.9112, 103.3344



18.1047, 19.5811, 23.0753



18.5630, 22.0355, 52.7095



1.8992, 2.3291, 5.1627

Inverse Universe

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



74.9409, 64.2030, 88.5669



71.4798, 58.1808, 84.6386



81.6459, 87.2004, 61.2452



18.5655, 18.2095, 21.5951



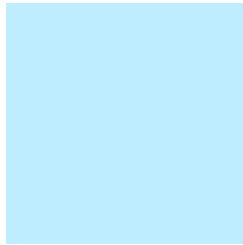
26.1579, 12.9525, 25.2799



2.5932, 1.2797, 2.7054

Previews

White Background



This preview shows how the XYZ color 69.5694, 78.7355, 106.1385 looks on a white background.

Color Contrast Check

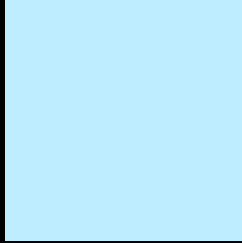
Large Text (above 18pt) WCAG AA × Fail

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 69.5694, 78.7355, 106.1385 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

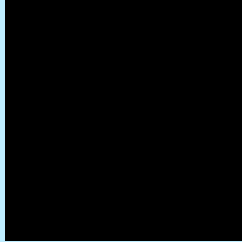
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 69.5694, 78.7355, 106.1385

Background



This preview shows how black text looks on a background with the XYZ color 69.5694, 78.7355, 106.1385.

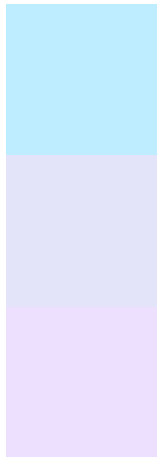


This preview shows how white text looks on a background with the XYZ color 69.5694, 78.7355,

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

69.5694, 78.7355, 106.1385

Protanopia

76.2465, 78.1086, 100.6804

Deuteranopia

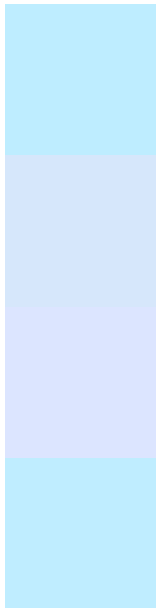
79.6307, 78.5358, 105.5697



Tritanopia

70.0724, 78.9948, 106.1621

Trichromacy



Original Color

69.5694, 78.7355, 106.1385

Protanomaly

73.7201, 78.4130, 102.5165

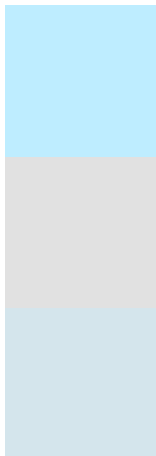
Deuteranomaly

75.5845, 78.4743, 105.7711

Tritanomaly

69.8200, 78.8647, 106.1503

Monochromacy



Original Color

69.5694, 78.7355, 106.1385

Achromatopsia

71.5672, 75.2942, 81.9954

Achromatomaly

70.3110, 76.0918, 90.3383

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.5694, 78.7355, 106.1385 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(190, 237, 255)` looks like.

```
.text, #text, p{  
    color:rgb(190, 237, 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(190, 237, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 237, 255) }
```

Border

The CSS property to change the border of an element to XYZ 69.5694, 78.7355, 106.1385 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(190, 237, 255) }
```


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

```
.border{ border-color:rgb(190, 237, 255) }
```

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

Here you see how a box with a 4 pixel rgb(190, 237, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 237, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 237, 255);  
box-shadow:4px 4px 4px 4px rgb(190, 237,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 69.5694, 78.7355, 106.1385 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 237, 255) }
```

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

```
.background{ background-color: rgb(190,  
237, 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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