

Converting Colors

XYZ(68.6046, 78.1151,
106.0696)

Have a look what the booklet for
XYZ(68.6046, 78.1151, 106.0696)
contains.

XYZ(68.5839, 78.2275, 106.0924)	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(68.5839, 78.2275,
106.0924)**

Conversions

Conversions Part 1

Format	Color
Hex	BAEDFF
RGB	186, 237, 255
RGB Percent	73%, 93%, 100%
CMY	0.2706, 0.0706, 0.0000
CMYK	0.27, 0.07, 0.00, 0.00
HSL	196°, 100%, 86%
HSV	196°, 27%, 100%
XYZ	68.5839, 78.2275, 106.0924
YIQ	223.8030, -36.1740, -5.2140

Conversions

Conversions Part 2

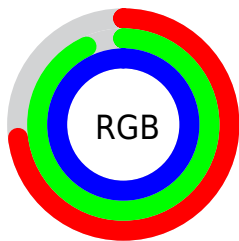
Format	Color
R _Y B	186, 215, 255
Decimal	12250623
CIE Lab	90.88, -12.24, -13.99
CIE LCh	91, 18.590, 228.832
Yxy	78.2275, 0.2712, 0.3093
Android (android.graphics.Color)	4290440703 (0xFFBAEDFF)
YUV	223.8030, 15.3801, -33.1532
Hunter-Lab	88.4463, -16.3668, -9.2066

Details

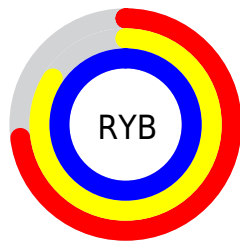
The XYZ color **68.5839, 78.2275, 106.0924** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **71.6958, 67.9904, 55.8009**, and the grayscale version is **70.6249, 74.3029, 80.9159**.

A 20% lighter version of the original color is **90.7721, 97.7947, 108.6998**, and **36.0770, 41.9503, 59.6218** is the 20% darker color. If you saturate the color by 10%, you get **61.0434, 71.5363, 105.1983**, and if you desaturate by 10%, it is **77.3055, 85.6375, 107.0630**.

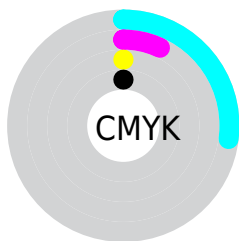
Distribution



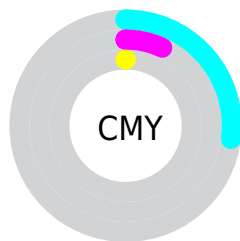
- Red (73%)
- Green (93%)
- Blue (100%)



- Red (73%)
- Yellow (84%)
- Blue (100%)



- Cyan (27%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)



- Cyan (27%)
- Magenta (7%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.5839, 78.2275, 106.0924 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 68.5839, 78.2275, 106.0924 by changing the saturation by 10% instead.

68.5839, 78.2275,
106.0924

68.5839, 78.2275,
106.0924

444.9064,
488.9391, 600.9665

50.6483, 58.2609,
80.7531

116.2244,
130.8708, 171.6293

36.1487, 42.0184,
59.8084

146.6600,
164.3162, 212.6639

24.7197, 29.1157,
42.8400

181.9930,
203.0234, 259.7674

15.9960, 19.1684,
29.4291

222.5888,
247.3767, 313.3583

9.6121, 11.7920,
19.1573

268.8126,
297.7605, 373.8551

5.2028, 6.6022,
11.6060

321.0300,

2.4027, 3.2146,

354.5593, 441.6764

6.3568

379.6061,
418.1573, 517.2407

■ 0.8465, 1.2448,
2.9909

■ 0.0000, 0.0978,
1.0900

■ 68.5839, 78.2275,
106.0924

■ 68.5839, 78.2275,
106.0924

■ 61.0434, 71.5363,
105.1983

■ 77.3055, 85.6375,
107.0630

■ 54.6181, 65.5230,
104.3763

■ 87.2570, 93.7867,
108.1115

■ 49.2451, 60.1559,
103.6235

95.0500, 100.0000,
108.9000

■ 44.8523, 55.3966,
102.9364

■ 41.3580, 51.2020,
102.3109

■ 38.6662, 47.5212,
101.7423

■ 36.6548, 44.2902,
101.2247

■ 36.1385, 43.3971,
101.0795

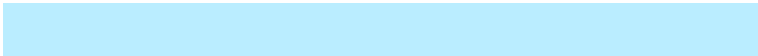
Harmonies

Analogous

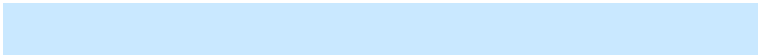
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



66.1551, 78.2275, 93.7712



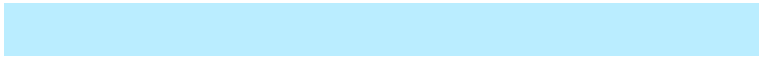
68.5839, 78.2275, 106.0924



72.6231, 78.2275, 113.0515

Triad

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



68.5839, 78.2275, 106.0924



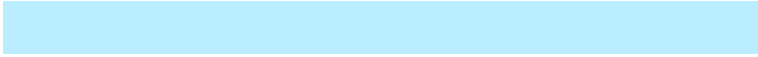
83.5375, 78.2275, 90.2675



71.4852, 78.2275, 63.0340

Complementary

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



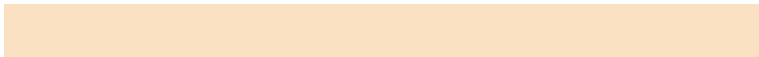
68.5839, 78.2275, 106.0924



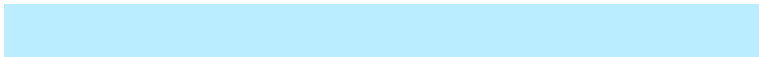
71.6958, 67.9904, 55.8009

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.



76.1099, 78.2275, 62.3072



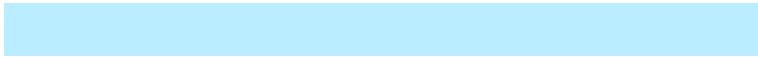
68.5839, 78.2275, 106.0924



83.2014, 78.2275, 77.1236

Square

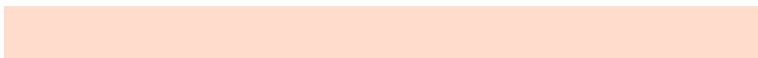
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



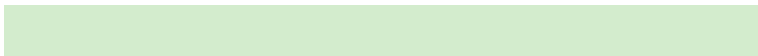
68.5839, 78.2275, 106.0924



81.3365, 78.2275, 103.2969



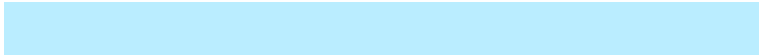
80.4366, 78.2275, 67.2078



67.7810, 78.2275, 69.3096

Rectangle

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



68.5839, 78.2275, 106.0924



75.7434, 78.2275, 113.2721



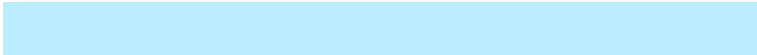
80.4366, 78.2275, 67.2078



72.9795, 78.2275, 62.1591

Sweetspot

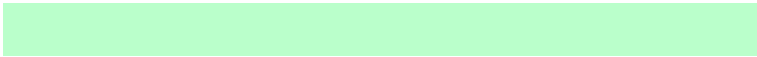
The Sweet Spot groups the original color and five complimentary colors.



68.5860, 78.2305, 106.0929



86.2651, 92.9863, 108.0092



66.8201, 86.2834, 69.7903



18.1304, 19.6324, 23.0838



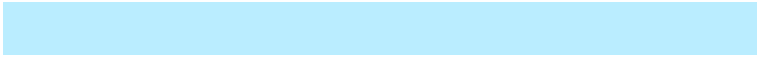
0.0000, 0.0000, 0.0000



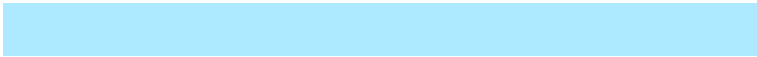
20.3446, 21.4041, 23.3091

Same Dimension

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



68.5860, 78.2305, 106.0929



64.7146, 74.8348, 105.6415



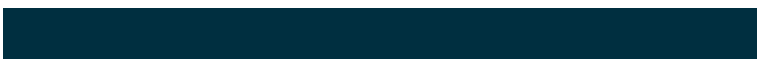
59.7161, 60.4907, 103.1362



18.1304, 19.6324, 23.0838



19.0109, 22.9314, 52.8588



1.9398, 2.4102, 5.1763

Inverse Universe

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



74.0863, 62.4939, 88.2820



71.0711, 57.2251, 84.9289



80.6053, 85.8094, 58.7707



18.5785, 18.2147, 21.6633



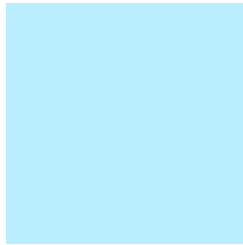
26.3840, 13.0429, 26.4705



2.6137, 1.2879, 2.8132

Previews

White Background



This preview shows how the XYZ color 68.5839, 78.2275, 106.0924 looks on a white background.

Color Contrast Check

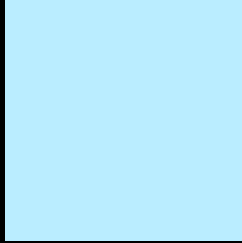
Large Text (above 18pt) WCAG AA × Fail

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 68.5839, 78.2275, 106.0924 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

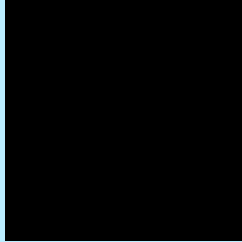
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.5839, 78.2275, 106.0924

Background



This preview shows how black text looks on a background with the XYZ color 68.5839, 78.2275, 106.0924.

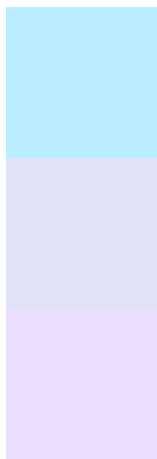


This preview shows how white text looks on a background with the XYZ color 68.5839, 78.2275,

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

68.5839, 78.2275, 106.0924

Protanopia

75.9320, 77.9465, 100.6657

Deuteranopia

79.0297, 77.8282, 105.4648



Tritanopia

69.0732, 78.4797, 106.1153

Trichromacy



Original Color

68.5839, 78.2275, 106.0924

Protanomaly

72.8525, 77.9657, 102.4759

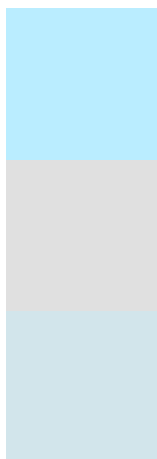
Deuteranomaly

74.7068, 77.6122, 105.6509

Tritanomaly

68.8277, 78.3532, 106.1038

Monochromacy



Original Color

68.5839, 78.2275, 106.0924

Achromatopsia

70.8507, 74.5404, 81.1745

Achromatomaly

69.5930, 75.7384, 89.5483

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.5839, 78.2275, 106.0924 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(186, 237, 255)` looks like.

```
.text, #text, p{  
    color:rgb(186, 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(186, 237, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 237, 255) }
```

Border

The CSS property to change the border of an element to XYZ 68.5839, 78.2275, 106.0924 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(186, 237, 255) }
```


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

```
.border{ border-color:rgb(186, 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(186, 237, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 237, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 237, 255);  
box-shadow:4px 4px 4px 4px rgb(186, 237,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 68.5839, 78.2275, 106.0924 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 237, 255) }
```

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

```
.background{ background-color: rgb(186,  
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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