

Converting Colors

XYZ(67.5352, 78.2817,
106.1581)

Have a look what the booklet for
XYZ(67.5352, 78.2817, 106.1581)
contains.

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Color

**XYZ(67.4469, 78.0724,
106.1224)**

Conversions

Conversions Part 1

Format	Color
Hex	B4EEFF
RGB	180, 238, 255
RGB Percent	71%, 93%, 100%
CMY	0.2941, 0.0666, 0.0000
CMYK	0.29, 0.07, 0.00, 0.00
HSL	194°, 100%, 85%
HSV	194°, 29%, 100%
XYZ	67.4469, 78.0724, 106.1224
YIQ	222.5960, -40.0250, -7.0090

Conversions

Conversions Part 2

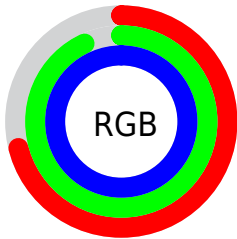
Format	Color
RYB	180, 213, 255
Decimal	11857663
CIELab	90.81, -14.42, -14.14
CIElCh	91, 20.196, 224.419
Yxy	78.0724, 0.2680, 0.3103
Android (android.graphics.Color)	4290047743 (0xFFB4EEFF)
YUV	222.5960, 15.9752, -37.3567
Hunter-Lab	88.3586, -18.3728, -9.3588

Details

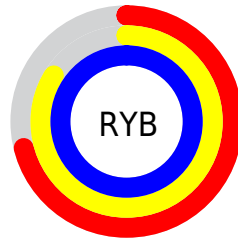
The XYZ color **67.4469, 78.0724, 106.1224** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **69.4445, 64.4873, 51.9689**, and the grayscale version is **69.7652, 73.3984, 79.9308**.

A 20% lighter version of the original color is **88.7351, 96.7445, 108.6045**, and **35.3784, 41.8931, 59.6476** is the 20% darker color. If you saturate the color by 10%, you get **60.3926, 71.9800, 105.3182**, and if you desaturate by 10%, it is **75.6514, 84.8418, 106.9966**.

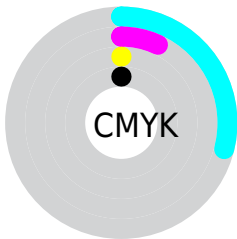
Distribution



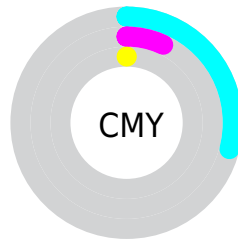
- Red (71%)
- Green (93%)
- Blue (100%)



- Red (71%)
- Yellow (84%)
- Blue (100%)



- Cyan (29%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)



- Cyan (29%)
- Magenta (7%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.4469, 78.0724, 106.1224 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 67.4469, 78.0724, 106.1224 by changing the saturation by 10% instead.

67.4469, 78.0724,
106.1224

67.4469, 78.0724,
106.1224

440.9414,
488.4127, 601.0619

49.7199, 58.1335,
80.7781

114.6068,
130.6522, 171.6706

35.4078, 41.9159,
59.8289

144.7704,
164.0618, 212.7116

24.1452, 29.0355,
42.8564

179.8104,
202.7304, 259.8219

15.5667, 19.1077,
29.4419

220.0919,
247.0425, 313.4200

9.3069, 11.7481,
19.1669

265.9804,
297.3823, 373.9246

5.0006, 6.5724,
11.6129

317.8413,

2.2824, 3.1962,

354.1344, 441.7540

6.3613

376.0398,
417.6830, 517.3269

■ 0.7856, 1.2350,
2.9937

■ 0.0000, 0.0900,
1.0914

■ 67.4469, 78.0724,
106.1224

■ 67.4469, 78.0724,
106.1224

■ 60.3926, 71.9800,
105.3182

■ 75.6514, 84.8418,
106.9966

■ 54.4219, 66.5236,
104.5797

■ 85.0557, 92.3087,
107.9422

■ 49.4704, 61.6714,
103.9042

95.0500, 100.0000,
108.9000

■ 45.4645, 57.3846,
103.2878

■ 42.3200, 53.6190,
102.7267

■ 39.9366, 50.3221,
102.2160

■ 38.1610, 47.4142,
101.7483

■ 38.0647, 47.2494,
101.7216

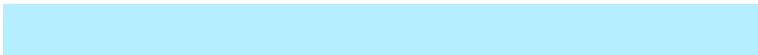
Harmonies

Analogous

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



65.1439, 78.0724, 92.1634



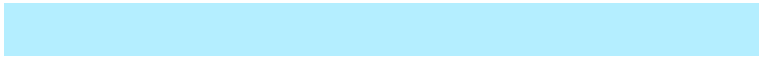
67.4469, 78.0724, 106.1224



71.6132, 78.0724, 114.8928

Triad

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



67.4469, 78.0724, 106.1224



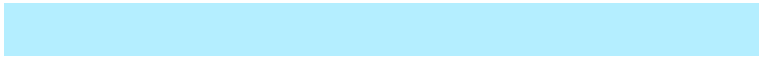
84.0149, 78.0724, 92.7432



71.8003, 78.0724, 60.6964

Complementary

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



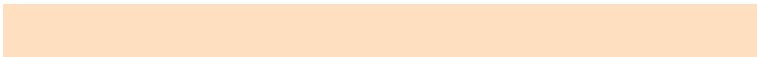
67.4469, 78.0724, 106.1224



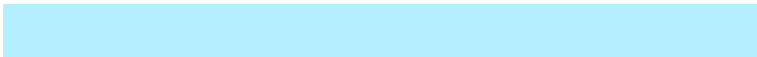
69.4445, 64.4873, 51.9689

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.



76.8595, 78.0724, 60.8138



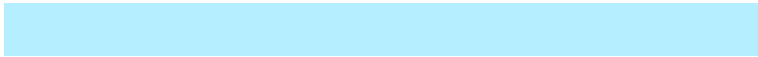
67.4469, 78.0724, 106.1224



84.0707, 78.0724, 78.2321

Square

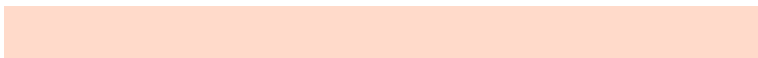
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



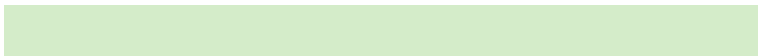
67.4469, 78.0724, 106.1224



81.2521, 78.0724, 106.5884



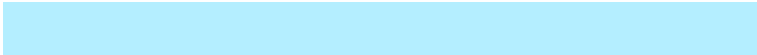
81.4011, 78.0724, 66.8975



67.5785, 78.0724, 66.5560

Rectangle

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



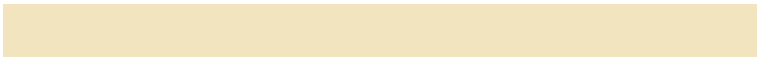
67.4469, 78.0724, 106.1224



74.9604, 78.0724, 116.0514



81.4011, 78.0724, 66.8975



73.4557, 78.0724, 60.0613

Sweetspot

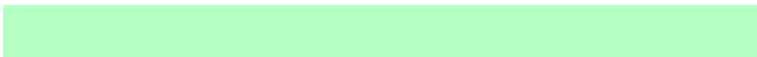
The Sweet Spot groups the original color and five complimentary colors.



67.4490, 78.0754, 106.1229



85.4682, 92.6306, 107.9826



64.5757, 85.2207, 65.4211



17.9828, 19.5838, 23.0822



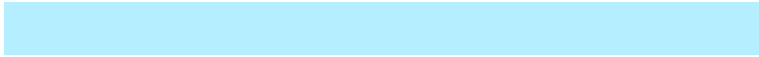
0.0000, 0.0000, 0.0000



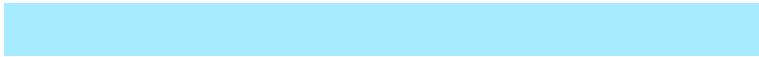
20.3446, 21.4041, 23.3091

Same Dimension

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



67.4490, 78.0754, 106.1229



63.3674, 74.5877, 105.6648



57.8186, 58.8147, 102.9127



18.1853, 19.7421, 23.1021



20.0073, 24.9241, 53.1909



2.0294, 2.5894, 5.2061

Inverse Universe

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



72.9952, 60.0771, 88.6412



69.7937, 54.4268, 85.2535



78.8305, 83.2593, 55.0976



18.6062, 18.2258, 21.8092



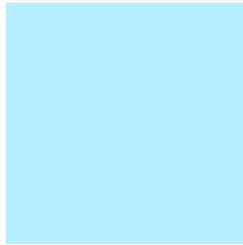
26.8869, 13.2441, 29.1188



2.6589, 1.3059, 3.0513

Previews

White Background



This preview shows how the XYZ color 67.4469, 78.0724, 106.1224 looks on a white background.

Color Contrast Check

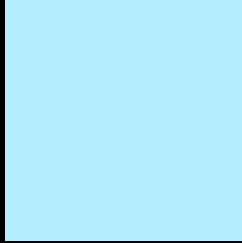
Large Text (above 18pt) WCAG AA × Fail

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 67.4469, 78.0724, 106.1224 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 67.4469, 78.0724, 106.1224

Background



This preview shows how black text looks on a background with the XYZ color 67.4469, 78.0724, 106.1224.

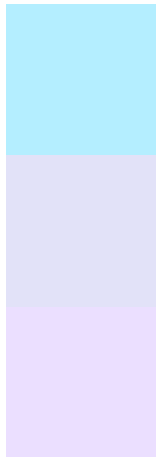


This preview shows how white text looks on a background with the XYZ color 67.4469, 78.0724,

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

67.4469, 78.0724, 106.1224

Protanopia

75.5037, 77.3388, 99.7553

Deuteranopia

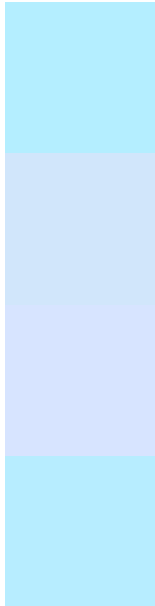
78.6986, 77.6575, 105.4493



Tritanopia

68.1014, 77.9787, 106.0698

Trichromacy



Original Color

67.4469, 78.0724, 106.1224

Protanomaly

72.0039, 77.1140, 102.3563

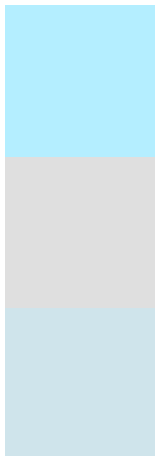
Deuteranomaly

73.8177, 77.1539, 105.6093

Tritanomaly

67.8626, 77.8557, 106.0586

Monochromacy



Original Color

67.4469, 78.0724, 106.1224

Achromatopsia

70.1384, 73.7910, 80.3584

Achromatomaly

68.4709, 74.7504, 89.4167

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.4469, 78.0724, 106.1224 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(180, 238, 255)` looks like.

```
.text, #text, p{  
    color:rgb(180, 238, 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(180, 238, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 238, 255) }
```

Border

The CSS property to change the border of an element to XYZ 67.4469, 78.0724, 106.1224 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(180, 238, 255) }
```


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

```
.border{ border-color:rgb(180, 238, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 238, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 238, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 238, 255);  
box-shadow:4px 4px 4px 4px rgb(180, 238,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 67.4469, 78.0724, 106.1224 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 238, 255) }
```

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

```
.background{ background-color: rgb(180,  
238, 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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