

Converting Colors

XYZ(66.9859, 77.6660,
106.0682)

Have a look what the booklet for
XYZ(66.9859, 77.6660, 106.0682)
contains.

XYZ(67.2149, 77.9528, 106.1115)	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(67.2149, 77.9528,
106.1115)**

Conversions

Conversions Part 1

Format	Color
Hex	B3EEFF
RGB	179, 238, 255
RGB Percent	70%, 93%, 100%
CMY	0.2980, 0.0666, 0.0000
CMYK	0.30, 0.07, 0.00, 0.00
HSL	193°, 100%, 85%
HSV	193°, 30%, 100%
XYZ	67.2149, 77.9528, 106.1115
YIQ	222.2970, -40.6210, -7.2210

Conversions

Conversions Part 2

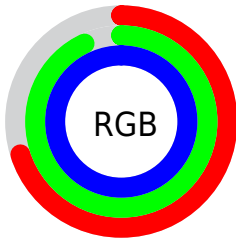
Format	Color
R _Y B	179, 212, 255
Decimal	11792127
CIE Lab	90.76, -14.70, -14.22
CIE LCh	91, 20.455, 224.051
Yxy	77.9528, 0.2675, 0.3102
Android (android.graphics.Color)	4289982207 (0xFFB3EEFF)
YUV	222.2970, 16.1226, -37.9715
Hunter-Lab	88.2909, -18.6189, -9.4535

Details

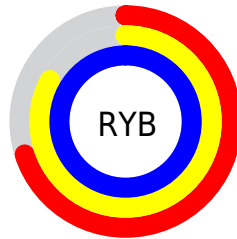
The XYZ color **67.2149, 77.9528, 106.1115** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **69.1166, 63.9940, 51.3588**, and the grayscale version is **69.5530, 73.1751, 79.6877**.

A 20% lighter version of the original color is **88.4021, 96.5729, 108.5889**, and **35.2332, 41.8182, 59.6408** is the 20% darker color. If you saturate the color by 10%, you get **60.2237, 71.9247, 105.3165**, and if you desaturate by 10%, it is **75.3526, 84.6539, 106.9761**.

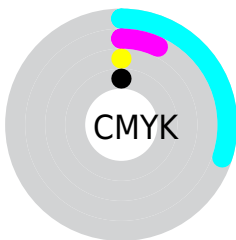
Distribution



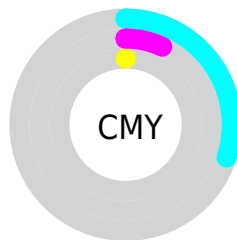
- Red (70%)
- Green (93%)
- Blue (100%)



- Red (70%)
- Yellow (83%)
- Blue (100%)



- Cyan (30%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)



- Cyan (30%)
- Magenta (7%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.2149, 77.9528, 106.1115 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 67.2149, 77.9528, 106.1115 by changing the saturation by 10% instead.

67.2149, 77.9528,
106.1115

67.2149, 77.9528,
106.1115

440.1298,
488.0065, 601.0272

49.5306, 58.0352,
80.7690

114.2764,
130.4836, 171.6556

35.2569, 41.8370,
59.8215

144.3843,
163.8656, 212.6943

24.0282, 28.9736,
42.8504

179.3642,
202.5045, 259.8021

15.4794, 19.0609,
29.4372

219.5813,
246.7847, 313.3976

9.2450, 11.7143,
19.1634

265.4011,
297.0906, 373.8993

4.9597, 6.5494,
11.6104

317.1888,

2.2582, 3.1820,

353.8066, 441.7258

6.3597

375.3100,
417.3171, 517.2956

■ 0.7731, 1.2275,
2.9927

■ 0.0000, 0.0840,
1.0909

■ 67.2149, 77.9528,
106.1115

■ 67.2149, 77.9528,
106.1115

■ 60.2237, 71.9247,
105.3165

■ 75.3526, 84.6539,
106.9761

■ 54.3122, 66.5286,
104.5865

■ 84.6867, 92.0485,
107.9114

■ 49.4159, 61.7326,
103.9188

95.0500, 100.0000,
108.9000

■ 45.4607, 57.4976,
103.3099

■ 42.3619, 53.7793,
102.7555

■ 40.0187, 50.5250,
102.2508

■ 38.2700, 47.6507,
101.7882

■ 38.2380, 47.5960,
101.7793

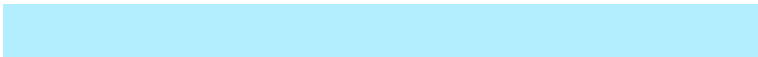
Harmonies

Analogous

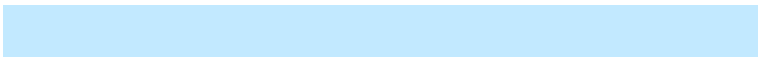
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



64.9143, 77.9528, 91.9343



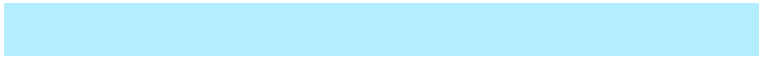
67.2149, 77.9528, 106.1115



71.4098, 77.9528, 115.0958

Triad

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



67.2149, 77.9528, 106.1115



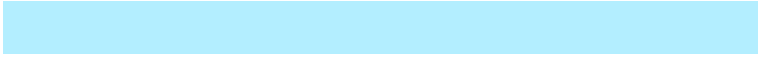
84.0038, 77.9528, 92.8928



71.7188, 77.9528, 60.2799

Complementary

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



67.2149, 77.9528, 106.1115



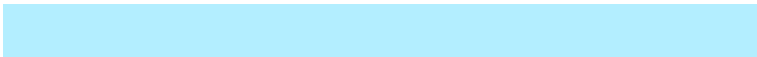
69.1166, 63.9940, 51.3588

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.



76.8401, 77.9528, 60.4732



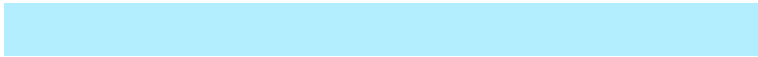
67.2149, 77.9528, 106.1115



84.0959, 77.9528, 78.1911

Square

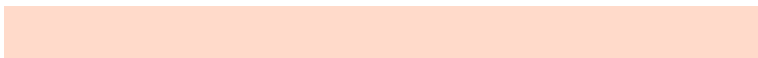
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



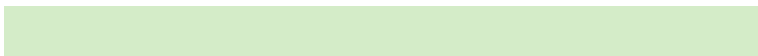
67.2149, 77.9528, 106.1115



81.1762, 77.9528, 106.8828



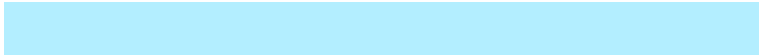
81.4225, 77.9528, 66.6836



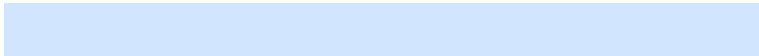
67.4321, 77.9528, 66.1207

Rectangle

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



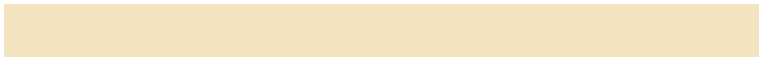
67.2149, 77.9528, 106.1115



74.7919, 77.9528, 116.3482



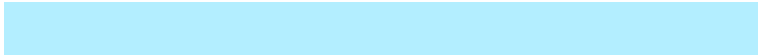
81.4225, 77.9528, 66.6836



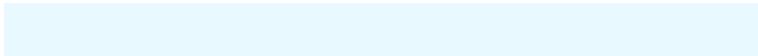
73.3960, 77.9528, 59.6643

Sweetspot

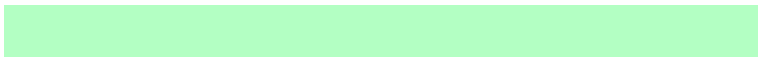
The Sweet Spot groups the original color and five complimentary colors.



67.2170, 77.9558, 106.1120



85.4894, 92.6731, 107.9897



64.2546, 85.0655, 64.9410



17.9881, 19.5943, 23.0839



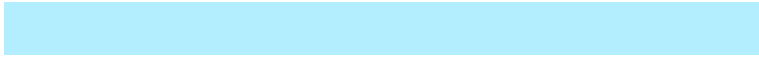
0.0000, 0.0000, 0.0000



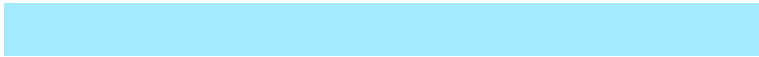
20.3446, 21.4041, 23.3091

Same Dimension

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



67.2170, 77.9558, 106.1120



62.7522, 74.1415, 105.6111



57.4197, 58.3612, 102.8462



18.1901, 19.7517, 23.1037



20.0969, 25.1033, 53.2208



2.0374, 2.6054, 5.2088

Inverse Universe

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



72.7940, 59.6748, 88.5742



69.2917, 53.4931, 84.8698



78.6485, 83.0577, 54.5360



18.6086, 18.2267, 21.8219



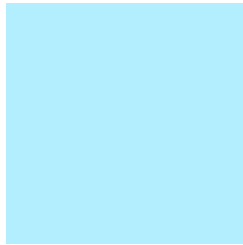
26.9322, 13.2622, 29.3570



2.6630, 1.3076, 3.0726

Previews

White Background



This preview shows how the XYZ color 67.2149, 77.9528, 106.1115 looks on a white background.

Color Contrast Check

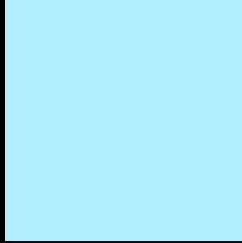
Large Text (above 18pt) WCAG AA × Fail

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 67.2149, 77.9528, 106.1115 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 67.2149, 77.9528, 106.1115

Background



This preview shows how black text looks on a background with the XYZ color 67.2149, 77.9528, 106.1115.

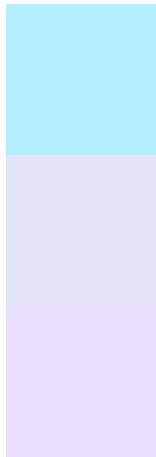


This preview shows how white text looks on a background with the XYZ color 67.2149, 77.9528,

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

67.2149, 77.9528, 106.1115

Protanopia

75.5037, 77.3388, 99.7553

Deuteranopia

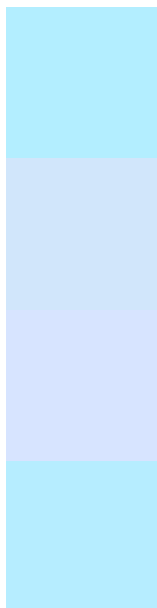
78.6986, 77.6575, 105.4493



Tritanopia

67.8626, 77.8557, 106.0586

Trichromacy



Original Color

67.2149, 77.9528, 106.1115

Protanomaly

72.0039, 77.1140, 102.3563

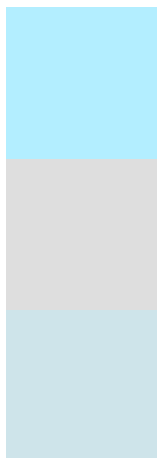
Deuteranomaly

73.8177, 77.1539, 105.6093

Tritanomaly

67.6256, 77.7335, 106.0476

Monochromacy



Original Color

67.2149, 77.9528, 106.1115

Achromatopsia

69.4303, 73.0461, 79.5472

Achromatomaly

68.0483, 74.5491, 88.6448

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.2149, 77.9528, 106.1115 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(179, 238, 255)` looks like.

```
.text, #text, p{  
    color:rgb(179, 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(179, 238, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 238, 255) }
```

Border

The CSS property to change the border of an element to XYZ 67.2149, 77.9528, 106.1115 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(179, 238, 255) }
```


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

```
.border{ border-color:rgb(179, 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(179, 238, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 238, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 238, 255);  
box-shadow:4px 4px 4px 4px rgb(179, 238,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 67.2149, 77.9528, 106.1115 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 238, 255) }
```

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

```
.background{ background-color: rgb(179,  
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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