

# Converting Colors

XYZ(68.8275, 79.8329,  
115.8069)

Have a look what the booklet for  
XYZ(68.8275, 79.8329, 115.8069)  
contains.

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# Color

**XYZ(66.9609, 79.1293,  
106.3520)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AEF1FF
RGB	174, 241, 255
RGB Percent	68%, 95%, 100%
CMY	0.3176, 0.0549, 0.0000
CMYK	0.32, 0.05, 0.00, 0.00
HSL	190°, 100%, 84%
HSV	190°, 32%, 100%
XYZ	66.9609, 79.1293, 106.3520
YIQ	222.5630, -44.4260, -9.8500

# Conversions

## Conversions Part 2

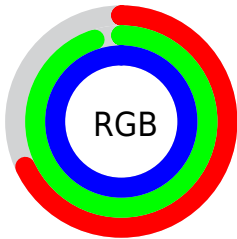
<b>Format</b>	<b>Color</b>
<b>RYB</b>	174, 211, 255
Decimal	11465215
CIELab	91.29, -17.57, -13.45
CIELCh	91, 22.125, 217.441
Yxy	79.1293, 0.2653, 0.3135
Android (android.graphics.Color)	4289655295 (0xFFAEF1FF)
YUV	222.5630, 15.9914, -42.5898
Hunter-Lab	88.9547, -21.3042, -8.6174

# Details

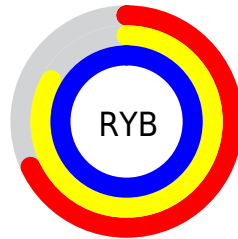
The XYZ color **66.9609, 79.1293, 106.3520** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **66.8634, 60.2823, 48.1579**, and the grayscale version is **69.7440, 73.3761, 79.9066**.

A 20% lighter version of the original color is **86.7650, 95.7289, 108.5123**, and **35.1498, 42.6971, 59.8149** is the 20% darker color. If you saturate the color by 10%, you get **60.5221, 73.8990, 105.6818**, and if you desaturate by 10%, it is **74.5139, 84.9847, 107.0841**.

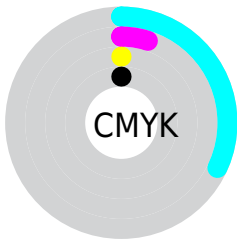
# Distribution



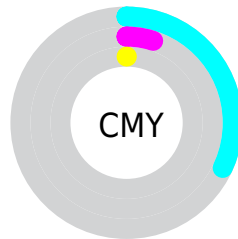
- Red (68%)
- Green (95%)
- Blue (100%)



- Red (68%)
- Yellow (83%)
- Blue (100%)



- Cyan (32%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)



- Cyan (32%)
- Magenta (5%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 66.9609, 79.1293, 106.3520 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 66.9609, 79.1293, 106.3520 by changing the saturation by 10% instead.



66.9609, 79.1293,  
106.3520

66.9609, 79.1293,  
106.3520

439.2402,  
491.9937, 601.7912

49.3234, 59.0021,  
80.9695

113.9145,  
132.1409, 171.9870

35.0917, 42.6148,  
59.9856

143.9613,  
165.7941, 213.0766

23.9004, 29.5830,  
42.9818

178.8753,  
204.7247, 260.2389

15.3841, 19.5223,  
29.5396

219.0218,  
249.3172, 313.8926

9.1774, 12.0483,  
19.2403

264.7662,  
299.9560, 374.4561

4.9151, 6.7766,  
11.6655

316.4739,

2.2318, 3.3228,

357.0254, 442.3480

6.3966

374.5101,  
420.9098, 517.9868

■ 0.7594, 1.3025,  
3.0150

■ 0.0000, 0.1431,  
1.1023

■ 66.9609, 79.1293,  
106.3520

■ 66.9609, 79.1293,  
106.3520

■ 60.5221, 73.8990,  
105.6818

■ 74.5139, 84.9847,  
107.0841

■ 55.1296, 69.2526,  
105.0692

■ 83.2313, 91.4856,  
107.8795

■ 50.7181, 65.1582,  
104.5114

■ 93.1678, 98.6625,  
108.7410

■ 47.2120, 61.5763,  
104.0048

■ 95.0500, 100.0000,  
108.9000

■ 44.5241, 58.4618,  
103.5453

■ 42.5497, 55.7602,  
103.1279

■ 41.3288, 53.7777,  
102.8096

# Harmonies

## Analogous

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



65.0063, 79.1293, 90.2240



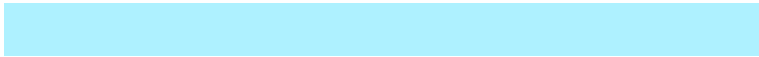
66.9609, 79.1293, 106.3520



71.1444, 79.1293, 117.9765

# Triad

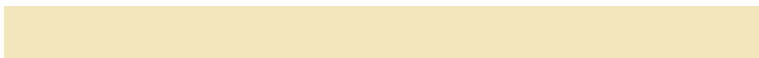
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



66.9609, 79.1293, 106.3520



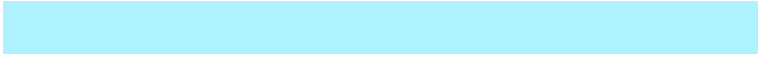
85.6253, 79.1293, 98.5708



73.8208, 79.1293, 58.9961

# Complementary

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



66.9609, 79.1293, 106.3520



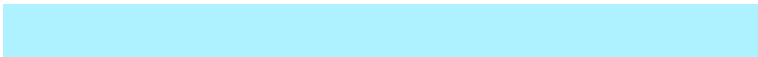
66.8634, 60.2823, 48.1579

# 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.



79.4277, 79.1293, 60.6467



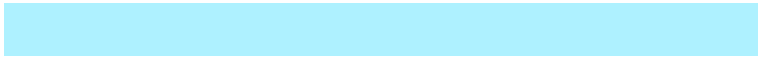
66.9609, 79.1293, 106.3520



86.4293, 79.1293, 82.2167

# Square

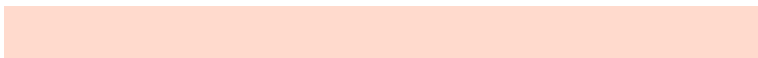
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



66.9609, 79.1293, 106.3520



81.9651, 79.1293, 113.1085



84.1103, 79.1293, 68.6978

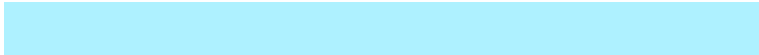


68.8367, 79.1293, 63.8700

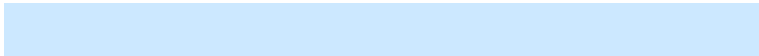


# Rectangle

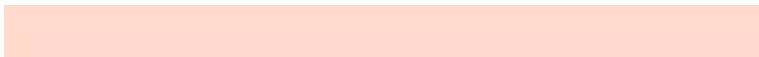
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



66.9609, 79.1293, 106.3520



74.7290, 79.1293, 120.8788



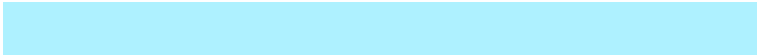
84.1103, 79.1293, 68.6978



75.6931, 79.1293, 58.8180

# Sweetspot

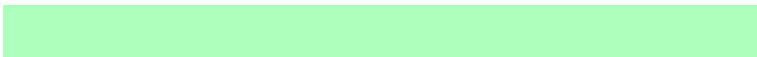
The Sweet Spot groups the original color and five complimentary colors.



66.9630, 79.1323, 106.3525



84.8933, 92.7012, 108.0265



62.2400, 84.1286, 60.2547



17.8864, 19.6341, 23.0970



0.0000, 0.0000, 0.0000

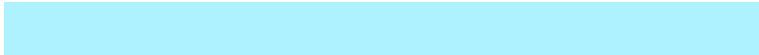


20.3446, 21.4041, 23.3091

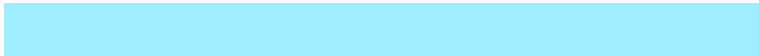


# Same Dimension

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



66.9630, 79.1323, 106.3525



62.8195, 75.7977, 105.9272



56.3936, 57.9936, 102.8294



18.2721, 19.9158, 23.1310



21.6931, 28.2958, 53.7529



2.1793, 2.8894, 5.2561



# Inverse Universe

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



72.2546, 57.8847, 90.5872



68.9542, 51.9360, 87.4769



76.6241, 79.8036, 51.4115



18.6500, 18.2433, 22.0400



27.7379, 13.5844, 33.5997



2.7346, 1.3362, 3.4500



# Previews

## White Background



This preview shows how the XYZ color 66.9609, 79.1293, 106.3520 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

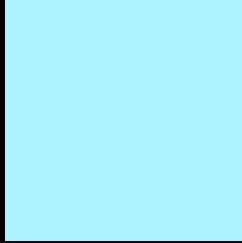
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 66.9609, 79.1293, 106.3520 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

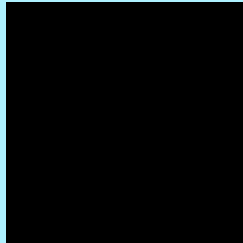
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 66.9609, 79.1293, 106.3520

## Background



This preview shows how black text looks on a background with the XYZ color 66.9609, 79.1293, 106.3520.



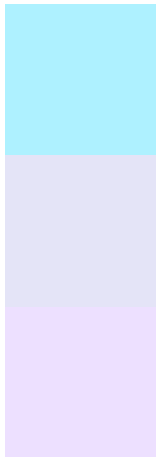
This preview shows how white text looks on a background with the XYZ color 66.9609, 79.1293,



# 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

66.9609, 79.1293, 106.3520

### Protanopia

76.5268, 78.6962, 99.1522

### Deuteranopia

79.6307, 78.5358, 105.5697



## Tritanopia

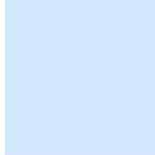
68.9241, 79.2673, 106.2752

# Trichromacy



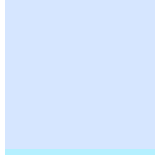
## Original Color

66.9609, 79.1293, 106.3520



## Protanomaly

72.4067, 78.5899, 101.7956



## Deuteranomaly

74.0784, 78.1098, 105.7801



## Tritanomaly

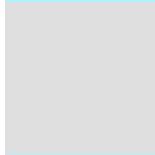
68.2661, 79.3639, 106.3285

# Monochromacy



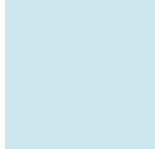
## Original Color

66.9609, 79.1293, 106.3520



## Achromatopsia

70.1384, 73.7910, 80.3584



## Achromatomaly

68.4690, 75.5709, 89.5752

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 66.9609, 79.1293, 106.3520 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(174, 241, 255)` looks like.

```
.text, #text, p{  
    color:rgb(174, 241, 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(174, 241, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 241, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 66.9609, 79.1293, 106.3520 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(174, 241, 255) }
```



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

```
.border{ border-color:rgb(174, 241, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 241, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 241, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 241, 255);  
box-shadow:4px 4px 4px 4px rgb(174, 241,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 66.9609, 79.1293, 106.3520 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 241, 255) }
```

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

```
.background{ background-color: rgb(174,  
241, 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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