

# Converting Colors

XYZ(86.3076, 100.0000,  
186.4618)

Have a look what the booklet for  
XYZ(86.3076, 100.0000, 186.4618)  
contains.

<b>XYZ(67.3276, 85.7086, 107.6026)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**XYZ(67.3276, 85.7086,  
107.6026)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9BFFFF
RGB	155, 255, 255
RGB Percent	61%, 100%, 100%
CMY	0.3921, 0.0000, 0.0000
CMYK	0.39, 0.00, 0.00, 0.00
HSL	180°, 100%, 80%
HSV	180°, 39%, 100%
XYZ	67.3276, 85.7086, 107.6026
YIQ	225.1000, -59.6000, -21.2000

# Conversions

## Conversions Part 2

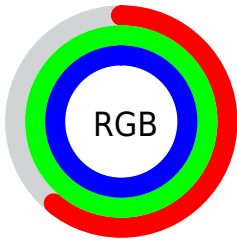
<b>Format</b>	<b>Color</b>
<b>RYB</b>	155, 205, 255
Decimal	10223615
CIELab	94.19, -29.23, -9.23
CIElCh	94, 30.658, 197.530
Yxy	85.7086, 0.2583, 0.3288
Android (android.graphics.Color)	4288413695 (0xFF9BFFFF)
YUV	225.1000, 14.7407, -61.4777
Hunter-Lab	92.5789, -32.1999, -4.1063

# Details

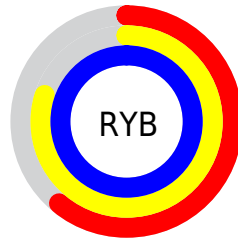
The XYZ color **67.3276, 85.7086, 107.6026** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **58.8789, 47.0709, 36.9947**, and the grayscale version is **71.5681, 75.2952, 81.9965**.

A 20% lighter version of the original color is **81.5416, 93.0361, 108.2678**, and **35.3169, 47.0068, 60.6379** is the 20% darker color. If you saturate the color by 10%, you get **62.9401, 83.4467, 107.3973**, and if you desaturate by 10%, it is **72.7501, 88.5040, 107.8564**.

# Distribution



- Red (61%)
- Green (100%)
- Blue (100%)



- Red (61%)
- Yellow (80%)
- Blue (100%)



- Cyan (39%)
- Magenta (0%)
- Yellow (0%)
- Black (0%)



- Cyan (39%)
- Magenta (0%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 67.3276, 85.7086, 107.6026 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 67.3276, 85.7086, 107.6026 by changing the saturation by 10% instead.





 67.3276, 85.7086,  
107.6026


 67.3276, 85.7086,  
107.6026


440.5241,  
513.9699, 605.7556

 49.6226, 64.4270,  
82.0126


 114.4369,  
141.3628, 173.7090

 35.3302, 46.9966,  
60.8401


 144.5719,  
176.5042, 215.0625

 24.0850, 33.0330,  
43.6664


179.5809,  
217.0343, 262.5075

 15.5218, 22.1517,  
30.0731

219.8294,  
263.3376, 316.4627

 9.2751, 13.9684,  
19.6415

265.6826,  
315.7984, 377.3466

 4.9796, 8.0987,  
11.9533

317.5058,

 2.2699, 4.1582,

374.8011, 445.5777

6.5897

375.6646,  
440.7301, 521.5745

■ 0.7792, 1.7624,  
3.1323

■ 0.0000, 0.4636,  
1.1626

■ 67.3276, 85.7086,  
107.6026

■ 67.3276, 85.7086,  
107.6026

■ 62.9401, 83.4467,  
107.3973

■ 72.7501, 88.5040,  
107.8564

■ 59.5194, 81.6833,  
107.2372

■ 79.2648, 91.8625,  
108.1613

■ 56.9934, 80.3811,  
107.1190

■ 86.9281, 95.8130,  
108.5199

■ 55.2784, 79.4970,  
107.0387

95.0500, 100.0000,  
108.9000

■ 54.2754, 78.9799,  
106.9918

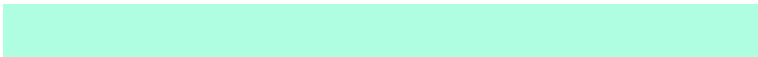
■ 53.8351, 78.7529,  
106.9712

■ 53.8100, 78.7400,  
106.9700

# Harmonies

## Analogous

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



67.0106, 85.7086, 83.9026



67.3276, 85.7086, 107.6026



71.2693, 85.7086, 130.7723

# Triad

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



67.3276, 85.7086, 107.6026



93.6627, 85.7086, 127.2721



84.9175, 85.7086, 55.7942

# Complementary

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



67.3276, 85.7086, 107.6026



58.8789, 47.0709, 36.9947

# 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.



92.5860, 85.7086, 63.8058



67.3276, 85.7086, 107.6026



97.8579, 85.7086, 103.4215

# Square

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



67.3276, 85.7086, 107.6026



86.3081, 85.7086, 143.3729



97.4511, 85.7086, 80.3645



76.8036, 85.7086, 56.5301



# Rectangle

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



67.3276, 85.7086, 107.6026



75.5816, 85.7086, 141.6069



97.4511, 85.7086, 80.3645



87.6428, 85.7086, 57.4889

# Sweetspot

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



67.3284, 85.7090, 107.6027



84.6746, 94.6513, 108.4144



55.1952, 80.8557, 43.7100



17.9045, 20.1462, 23.1949



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

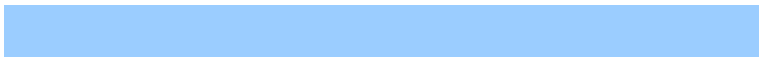
The Same Dimension uses a secret algorithm to generate beautiful new colors.



67.3284, 85.7090, 107.6027



63.8258, 83.9033, 107.4387



53.4003, 57.8527, 102.9599



18.5550, 20.4815, 23.2253



28.1169, 41.1433, 55.8941



2.7376, 4.0060, 5.4422



# Inverse Universe

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



71.0121, 51.9242, 100.8874



67.9749, 45.8498, 99.8750



68.9886, 67.2904, 40.3646



18.7928, 18.3004, 22.7918



30.9803, 14.8814, 50.6741

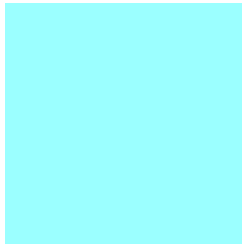


3.0164, 1.4490, 4.9340



# Previews

## White Background



This preview shows how the XYZ color 67.3276, 85.7086, 107.6026 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

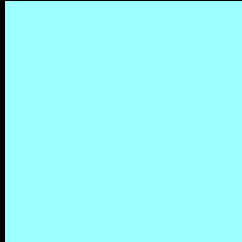
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 67.3276, 85.7086, 107.6026 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 67.3276, 85.7086, 107.6026

## Background



This preview shows how black text looks on a background with the XYZ color 67.3276, 85.7086, 107.6026.



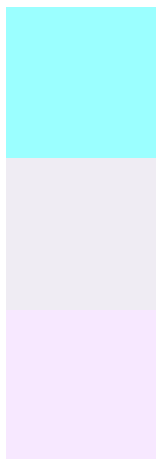
This preview shows how white text looks on a background with the XYZ color 67.3276, 85.7086,



# 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

67.3276, 85.7086, 107.6026

### Protanopia

81.7697, 84.8127, 96.8548

### Deuteranopia

85.2644, 84.7074, 106.4640



## Tritanopia

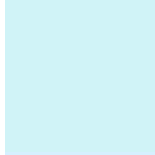
75.6042, 85.3622, 107.0995

# Trichromacy



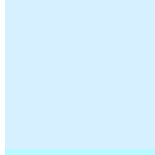
## Original Color

67.3276, 85.7086, 107.6026



## Protanomaly

74.8515, 84.2265, 100.3079



## Deuteranomaly

76.9416, 83.8363, 106.7345



## Tritanomaly

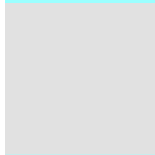
72.1754, 85.4105, 107.2896

# Monochromacy



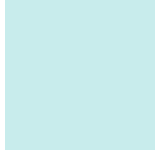
## Original Color

67.3276, 85.7086, 107.6026



## Achromatopsia

71.5672, 75.2942, 81.9954



## Achromatomaly

68.9552, 78.3264, 90.8411

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 67.3276, 85.7086, 107.6026 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(155, 255, 255)` looks like.

```
.text, #text, p{  
    color:rgb(155, 255, 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(155, 255, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 255, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 67.3276, 85.7086, 107.6026 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".

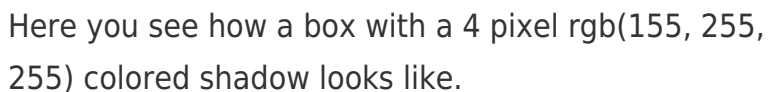
```
.border, #border, table{ border:4px solid rgb(155, 255, 255) }
```



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

```
.border{ border-color:rgb(155, 255, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(155, 255, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(155, 255, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(155, 255, 255); box-shadow:4px 4px 4px 4px rgb(155, 255, 255) }
```

# Background

The CSS property to change the background color of an element to XYZ 67.3276, 85.7086, 107.6026 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 255, 255) }
```

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

```
.background{ background-color: rgb(155,  
255, 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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