

# Converting Colors

XYZ(96.9888, 100.0000,  
195.3871)

Have a look what the booklet for  
XYZ(96.9888, 100.0000, 195.3871)  
contains.

<b>XYZ(79.8224, 92.1499, 108.1874)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(79.8224, 92.1499,  
108.1874)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D0FFFF
RGB	208, 255, 255
RGB Percent	82%, 100%, 100%
CMY	0.1843, 0.0000, 0.0000
CMYK	0.18, 0.00, 0.00, 0.00
HSL	180°, 100%, 91%
HSV	180°, 18%, 100%
XYZ	79.8224, 92.1499, 108.1874
YIQ	240.9470, -28.0120, -9.9640

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	208, 232, 255
Decimal	13697023
CIE Lab	96.88, -14.82, -4.95
CIE LCh	97, 15.627, 198.466
Yxy	92.1499, 0.2849, 0.3289
Android (android.graphics.Color)	4291887103 (0xFFD0FFFF)
YUV	240.9470, 6.9281, -28.8945
Hunter-Lab	95.9947, -19.5629, 0.3757

# Details

The XYZ color **79.8224, 92.1499, 108.1874** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **75.1820, 70.9271, 69.4039**, and the grayscale version is **83.5300, 87.8801, 95.7014**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.5240, 51.2377, 61.0220** is the 20% darker color. If you saturate the color by 10%, you get **73.2203, 88.7464, 107.8784**, and if you desaturate by 10%, it is **87.5786, 96.1483, 108.5503**.

# Distribution



- Red (82%)
- Green (100%)
- Blue (100%)



- Red (82%)
- Yellow (91%)
- Blue (100%)



- Cyan (18%)
- Magenta (0%)
- Yellow (0%)
- Black (0%)



- Cyan (18%)
- Magenta (0%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 79.8224, 92.1499, 108.1874 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 79.8224, 92.1499, 108.1874 by changing the saturation by 10% instead.



79.8224, 92.1499,  
108.1874

79.8224, 92.1499,  
108.1874

483.0798,  
534.9999, 607.6047

59.8802, 69.7651,  
82.5007

132.0678,  
150.3211, 174.5135

43.5712, 51.3351,  
61.2401

165.1018,  
186.8764, 215.9900

30.5300, 36.4754,  
43.9871

203.2303,  
228.9239, 263.5668

20.3913, 24.8015,  
30.3233

246.8189,  
276.8482, 317.6625

12.7897, 15.9293,  
19.8300

296.2327,  
331.0335, 378.6956

7.3599, 9.4741,  
12.0887

351.8372,

3.7365, 5.0517,

391.8643, 447.0847

6.6808

413.9978,  
459.7249, 523.2482

■ 1.5542, 2.2776,  
3.1879

■ 0.3623, 0.7618,  
1.1914

■ 79.8224, 92.1499,  
108.1874

■ 79.8224, 92.1499,  
108.1874

■ 73.2203, 88.7464,  
107.8784

■ 87.5786, 96.1483,  
108.5503

■ 67.7151, 85.9083,  
107.6207

95.0500, 100.0000,  
108.9000

■ 63.2481, 83.6055,  
107.4117

■ 59.7542, 81.8043,  
107.2482

■ 57.1609, 80.4674,  
107.1268

■ 55.3857, 79.5523,  
107.0437

■ 54.3310, 79.0086,  
106.9944

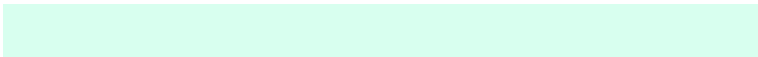
■ 53.8601, 78.7658,  
106.9723

■ 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.



79.5744, 92.1499, 95.5802



79.8224, 92.1499, 108.1874



82.1083, 92.1499, 119.5371

# Triad

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



79.8224, 92.1499, 108.1874



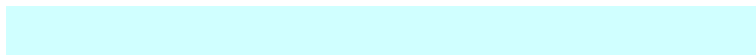
94.0561, 92.1499, 117.2297



89.2840, 92.1499, 78.4686

# Complementary

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



79.8224, 92.1499, 108.1874



75.1820, 70.9271, 69.4039

# 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.



93.3015, 92.1499, 83.3090



79.8224, 92.1499, 108.1874



96.1175, 92.1499, 105.2462

# Square

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



79.8224, 92.1499, 108.1874



90.2861, 92.1499, 125.0507



95.8367, 92.1499, 92.8732



84.9397, 92.1499, 79.1124



# Rectangle

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



79.8224, 92.1499, 108.1874



84.5245, 92.1499, 124.5389



95.8367, 92.1499, 92.8732



90.7200, 92.1499, 79.4907

# Sweetspot

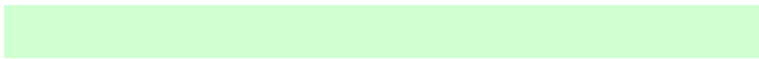
The Sweet Spot groups the original color and five complimentary colors.



79.8231, 92.1503, 108.1874



89.6434, 97.2128, 108.6470



73.1586, 89.4844, 73.0925



19.0671, 20.7455, 23.2493



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

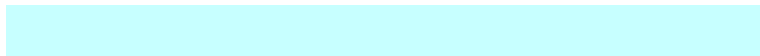


# Same Dimension

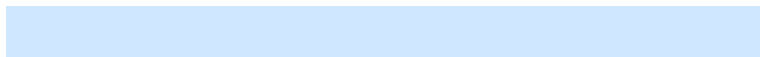
The Same Dimension uses a secret algorithm to generate beautiful new colors.



79.8231, 92.1503, 108.1874



77.3367, 90.8684, 108.0710



72.7795, 78.0631, 105.8395



18.5550, 20.4815, 23.2253



28.1169, 41.1433, 55.8941



2.7376, 4.0060, 5.4422



# Inverse Universe

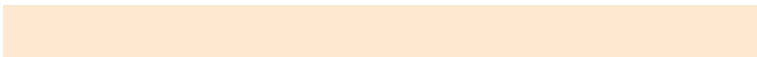
The Inverse Universe completely reimagines the original color for something new.



81.8465, 73.5930, 104.4988



79.6904, 69.2808, 103.7801



81.3419, 83.2470, 71.4572



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 79.8224, 92.1499, 108.1874 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

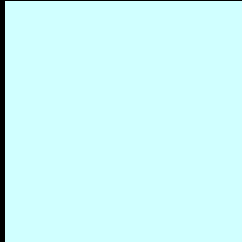
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 79.8224, 92.1499, 108.1874 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

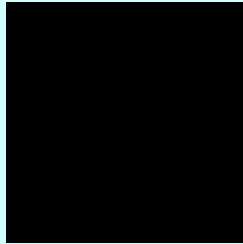
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 79.8224, 92.1499, 108.1874

## Background



This preview shows how black text looks on a background with the XYZ color 79.8224, 92.1499, 108.1874.



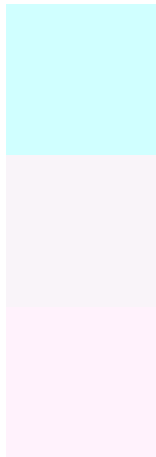
This preview shows how white text looks on a background with the XYZ color 79.8224, 92.1499,



# 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

79.8224, 92.1499, 108.1874

### Protanopia

88.5165, 91.6807, 102.6533

### Deuteranopia

90.5628, 91.7925, 105.0400



## Tritanopia

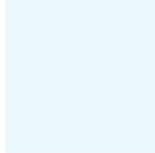
85.8784, 92.0170, 107.8425

# Trichromacy



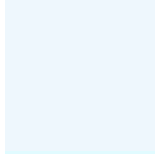
## Original Color

79.8224, 92.1499, 108.1874



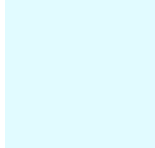
## Protanomaly

84.9117, 91.5923, 104.4705



## Deuteranomaly

86.2503, 91.7905, 106.1000



## Tritanomaly

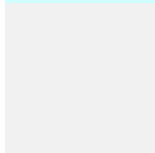
83.5985, 92.2219, 108.0022

# Monochromacy



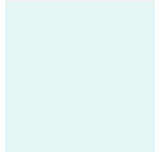
## Original Color

79.8224, 92.1499, 108.1874



## Achromatopsia

83.6081, 87.9622, 95.7909



## Achromatomaly

81.9034, 89.2234, 100.0938

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 79.8224, 92.1499, 108.1874 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(208, 255, 255)` looks like.

```
.text, #text, p{  
    color:rgb(208, 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(208, 255, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 255, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 79.8224, 92.1499, 108.1874 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(208, 255, 255) }
```



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

```
.border{ border-color:rgb(208, 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(208, 255, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 255, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 255, 255);  
box-shadow:4px 4px 4px 4px rgb(208, 255,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 79.8224, 92.1499, 108.1874 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 255, 255) }
```

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

```
.background{ background-color: rgb(208,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor