

# Converting Colors

XYZ(81.8777, 100.0000,  
189.8508)

Have a look what the booklet for  
XYZ(81.8777, 100.0000, 189.8508)  
contains.

<b>XYZ(60.7494, 82.3174, 107.2948)</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(60.7494, 82.3174,  
107.2948)**

# Conversions

## Conversions Part 1

Format	Color
Hex	72FFFF
RGB	114, 255, 255
RGB Percent	45%, 100%, 100%
CMY	0.5529, 0.0000, 0.0000
CMYK	0.55, 0.00, 0.00, 0.00
HSL	180°, 100%, 72%
HSV	180°, 55%, 100%
XYZ	60.7494, 82.3174, 107.2948
YIQ	212.8410, -84.0360, -29.8920

# Conversions

## Conversions Part 2

Format	Color
R <sub>Y</sub> B	114, 185, 255
Decimal	7536639
CIE Lab	92.71, -37.90, -11.58
CIE LCh	93, 39.632, 196.994
Yxy	82.3174, 0.2426, 0.3288
Android (android.graphics.Color)	4285726719 (0xFF72FFFF)
YUV	212.8410, 20.7844, -86.6836
Hunter-Lab	90.7289, -39.2573, -6.6053

# Details

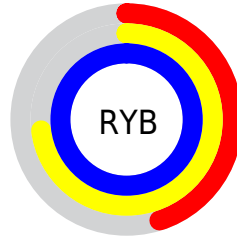
The XYZ color **60.7494, 82.3174, 107.2948** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **50.2957, 34.5112, 19.9320**, and the grayscale version is **63.0460, 66.3293, 72.2326**.

A 20% lighter version of the original color is **71.9415, 88.0871, 107.8185**, and **31.1147, 44.8405, 60.4412** is the 20% darker color. If you saturate the color by 10%, you get **57.8826, 80.8395, 107.1606**, and if you desaturate by 10%, it is **64.5422, 84.2727, 107.4723**.

# Distribution



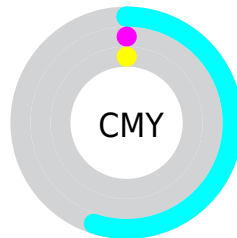
- Red (45%)
- Green (100%)
- Blue (100%)



- Red (45%)
- Yellow (73%)
- Blue (100%)



- Cyan (55%)
- Magenta (0%)
- Yellow (0%)
- Black (0%)



- Cyan (55%)
- Magenta (0%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 60.7494, 82.3174, 107.2948 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 60.7494, 82.3174, 107.2948 by changing the saturation by 10% instead.





 60.7494, 82.3174,  
107.2948


 60.7494, 82.3174,  
107.2948


417.1452,  
502.7088, 604.7811


 44.2747, 61.6272,  
81.7558


 105.0162,  
136.6190, 173.2853

 31.0854, 44.7315,  
60.6296


 133.5390,  
170.9992, 214.5740

 20.8160, 31.2460,  
43.4977

 166.8086,  
210.7115, 261.9496

 13.1013, 20.7863,  
29.9415

205.1902,  
256.1404, 315.8307

 7.5758, 12.9679,  
19.5425

249.0494,  
307.6701, 376.6359

 3.8742, 7.4064,  
11.8822

298.7513,

 1.6312, 3.7175,

365.6852, 444.7836

6.5419

354.6615,  
430.5699, 520.6925

■ 0.4126, 1.5168,  
3.1033

■ 0.0000, 0.3005,  
1.1476

■ 60.7494, 82.3174,  
107.2948

■ 60.7494, 82.3174,  
107.2948

■ 57.8826, 80.8395,  
107.1606

■ 64.5422, 84.2727,  
107.4723

■ 55.8603, 79.7970,  
107.0660

■ 69.3284, 86.7400,  
107.6962

■ 54.5913, 79.1428,  
107.0066

■ 75.1720, 89.7525,  
107.9697

■ 53.9617, 78.8182,  
106.9771

■ 82.1308, 93.3399,  
108.2954

■ 53.8100, 78.7400,  
106.9700

■ 90.2588, 97.5300,  
108.6758

95.0500, 100.0000,  
108.9000

# Harmonies

## Analogous

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



60.4478, 82.3174, 77.4339



60.7494, 82.3174, 107.2948



65.4659, 82.3174, 137.9663

# Triad

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



60.7494, 82.3174, 107.2948



93.6740, 82.3174, 134.2697



82.7934, 82.3174, 44.8627

# Complementary

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



60.7494, 82.3174, 107.2948



50.2957, 34.5112, 19.9320

# 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.



92.5767, 82.3174, 54.1504



60.7494, 82.3174, 107.2948



99.2205, 82.3174, 103.0431

# Square

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



60.7494, 82.3174, 107.2948



84.1870, 82.3174, 155.7367



98.8022, 82.3174, 74.0183



72.5803, 82.3174, 45.5114



# Rectangle

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



60.7494, 82.3174, 107.2948



70.7353, 82.3174, 152.8078



98.8022, 82.3174, 74.0183



86.2581, 82.3174, 46.8217

# Sweetspot

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



60.7503, 82.3178, 107.2948



80.8606, 92.6851, 108.2359



45.7379, 76.3129, 28.2408



16.9970, 19.6784, 23.1524



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.



60.7503, 82.3178, 107.2948



57.7125, 80.7518, 107.1526



42.2355, 45.2883, 101.1232



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.



65.3081, 40.5161, 98.9860



62.6740, 35.2479, 98.1080



61.5229, 56.9655, 23.6744



18.7928, 18.3004, 22.7918



30.9803, 14.8814, 50.6741

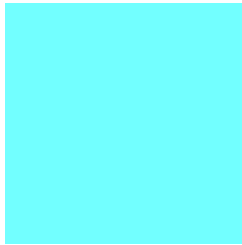


3.0164, 1.4490, 4.9340



# Previews

## White Background



This preview shows how the XYZ color 60.7494, 82.3174, 107.2948 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

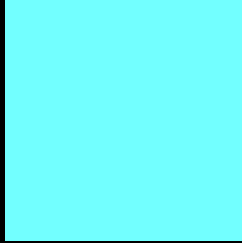
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 60.7494, 82.3174, 107.2948 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 60.7494, 82.3174, 107.2948

## Background



This preview shows how black text looks on a background with the XYZ color 60.7494, 82.3174, 107.2948.



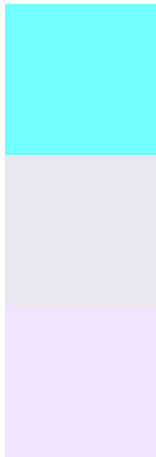
This preview shows how white text looks on a background with the XYZ color 60.7494, 82.3174,



# 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

60.7494, 82.3174, 107.2948

### Protanopia

78.2358, 80.9355, 93.9367

### Deuteranopia

81.7286, 81.2321, 105.9795



## Tritanopia

69.6290, 81.3885, 106.6474

# Trichromacy



## Original Color

60.7494, 82.3174, 107.2948



## Protanomaly

68.8767, 79.8599, 98.1705



## Deuteranomaly

70.8727, 79.8384, 106.2827



## Tritanomaly

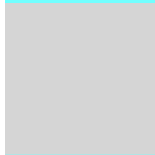
65.4113, 81.0106, 106.7968

# Monochromacy



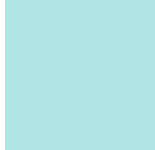
## Original Color

60.7494, 82.3174, 107.2948



## Achromatopsia

63.2451, 66.5387, 72.4607



## Achromatomaly

59.8785, 70.4354, 83.8382

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 60.7494, 82.3174, 107.2948 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(114, 255, 255)` looks like.

```
.text, #text, p{  
    color:rgb(114, 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(114, 255, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 255, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 60.7494, 82.3174, 107.2948 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(114, 255, 255) }
```



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

```
.border{ border-color:rgb(114, 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(114, 255, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 255, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 255, 255);  
box-shadow:4px 4px 4px 4px rgb(114, 255,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 60.7494, 82.3174, 107.2948 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 255, 255) }
```

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

```
.background{ background-color: rgb(114,  
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