

# Converting Colors

XYZ(60.2865, 82.3251, 96.1445)

Have a look what the booklet for  
XYZ(60.2865, 82.3251, 96.1445)  
contains.

<b>XYZ(60.2414, 82.3065, 95.9308)</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(60.2414, 82.3065,  
95.9308)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7EFFF1
RGB	126, 255, 241
RGB Percent	49%, 100%, 95%
CMY	0.5059, 0.0000, 0.0549
CMYK	0.51, 0.00, 0.05, 0.00
HSL	173°, 100%, 75%
HSV	173°, 51%, 100%
XYZ	60.2414, 82.3065, 95.9308
YIQ	214.8330, -72.3900, -31.7020

# Conversions

## Conversions Part 2

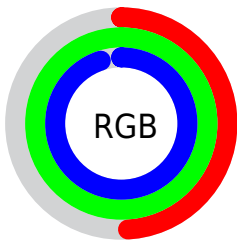
Format	Color
<a href="#">RYB</a>	<a href="#">126, 194, 255</a>
Decimal	<a href="#">8323057</a>
CIELab	<a href="#">92.71, -39.08, -4.30</a>
CIELCh	<a href="#">93, 39.321, 186.281</a>
Yxy	<a href="#">82.3065, 0.2526, 0.3451</a>
Android (android.graphics.Color)	<a href="#">4286513137</a> ( <a href="#">0xFF7EFFF1</a> )
YUV	<a href="#">214.8330, 12.9003, -77.9065</a>
Hunter-Lab	<a href="#">90.7229, -40.2384, 0.8126</a>

# Details

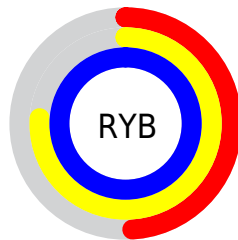
The XYZ color **60.2414, 82.3065, 95.9308** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **53.4354, 38.0767, 29.3455**, and the grayscale version is **64.4294, 67.7848, 73.8176**.

A 20% lighter version of the original color is **74.3035, 89.3048, 107.9291**, and **30.8145, 44.8516, 52.9321** is the 20% darker color. If you saturate the color by 10%, you get **56.5387, 80.4451, 93.6174**, and if you desaturate by 10%, it is **64.9106, 84.6654, 98.3251**.

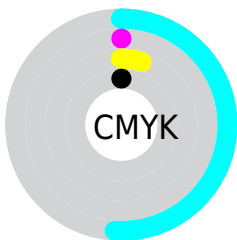
# Distribution



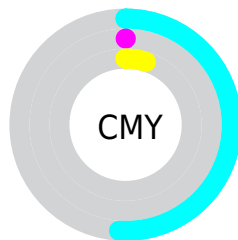
- Red (49%)
- Green (100%)
- Blue (95%)



- Red (49%)
- Yellow (76%)
- Blue (100%)



- Cyan (51%)
- Magenta (0%)
- Yellow (5%)
- Black (0%)



- Cyan (51%)
- Magenta (0%)
- Yellow (5%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 60.2414, 82.3065, 95.9308 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 60.2414, 82.3065, 95.9308 by changing the saturation by 10% instead.



60.2414, 82.3065,  
95.9308

60.2414, 82.3065,  
95.9308

415.3075,  
502.6723, 568.2008

43.8634, 61.6182,  
72.3088

104.2841,  
136.6037, 157.5565

30.7606, 44.7243,  
52.9226

132.6796,  
170.9815, 196.3973

20.5676, 31.2403,  
37.3537

165.8116,  
210.6911, 241.1481

12.9189, 20.7819,  
25.1835

204.0456,  
256.1171, 292.2274

7.4494, 12.9647,  
15.9936

247.7468,  
307.6439, 350.0538

3.7935, 7.4042,  
9.3653

297.2806,

1.5860, 3.7162,

365.6557, 415.0458

4.8802

353.0124,  
430.5371, 487.6220

■ 0.3832, 1.5161,  
2.1196

■ 0.0000, 0.3000,  
0.6274

■ 60.2414, 82.3065,  
95.9308

■ 60.2414, 82.3065,  
95.9308

■ 56.5387, 80.4451,  
93.6174

■ 64.9106, 84.6654,  
98.3251

■ 53.7251, 79.0413,  
91.3767

■ 70.6097, 87.5546,  
100.7991

■ 51.7163, 78.0517,  
89.2062

■ 77.4004, 91.0057,  
103.3573

■ 50.4103, 77.4237,  
87.1010

■ 85.3385, 95.0476,  
106.0024

■ 49.6705, 77.0842,  
85.1715

94.4762, 99.7072,  
108.7369

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.



61.5491, 82.3065, 68.7902



60.2414, 82.3065, 95.9308



63.4036, 82.3065, 127.3082

# Triad

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



60.2414, 82.3065, 95.9308



90.4719, 82.3065, 143.2083



86.4224, 82.3065, 47.2628

# Complementary

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



60.2414, 82.3065, 95.9308



53.4354, 38.0767, 29.3455

# 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.



95.2040, 82.3065, 60.2140



60.2414, 82.3065, 95.9308



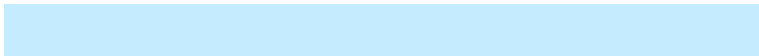
97.6811, 82.3065, 114.2746

# Square

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



60.2414, 82.3065, 95.9308



80.4042, 82.3065, 158.1854



99.4841, 82.3065, 83.5880



76.0951, 82.3065, 44.4322



# Rectangle

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



60.2414, 82.3065, 95.9308



67.7985, 82.3065, 145.1939



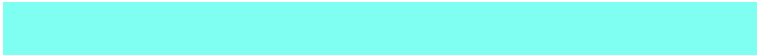
99.4841, 82.3065, 83.5880



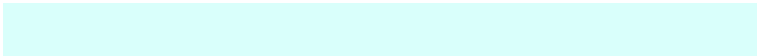
89.6798, 82.3065, 50.4142

# Sweetspot

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



60.2424, 82.3070, 95.9323



81.6898, 93.1890, 104.8240



50.5201, 78.6940, 32.2673



17.1294, 19.7652, 22.3175



0.0000, 0.0000, 0.0000

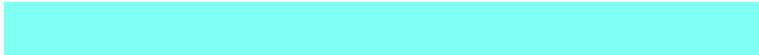


20.3446, 21.4041, 23.3091



# Same Dimension

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



60.2424, 82.3070, 95.9323



56.4052, 80.3782, 93.5232



48.6186, 55.5833, 102.7739



18.4649, 20.4455, 22.7512



25.9881, 40.2918, 44.6841



2.5537, 3.9324, 4.4734



# Inverse Universe

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



53.4354, 38.0767, 29.3455



48.9162, 31.5378, 20.1330



60.4246, 53.6032, 26.9022



18.0895, 18.0191, 19.0884



21.6819, 11.1620, 1.7093

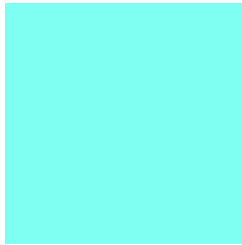


2.1360, 1.0968, 0.2978



# Previews

## White Background



This preview shows how the XYZ color 60.2414, 82.3065, 95.9308 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

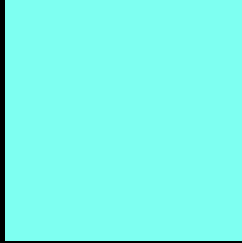
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 60.2414, 82.3065, 95.9308 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

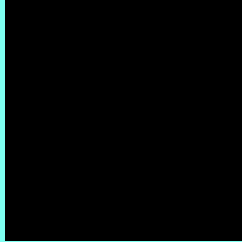
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

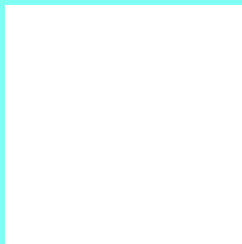
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 60.2414, 82.3065, 95.9308

## Background



This preview shows how black text looks on a background with the XYZ color 60.2414, 82.3065, 95.9308.



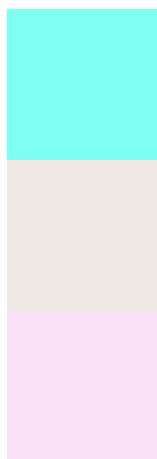
This preview shows how white text looks on a background with the XYZ color 60.2414, 82.3065,

95.9308.

# 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

60.2414, 82.3065, 95.9308

### Protanopia

77.7009, 80.8750, 84.1882

### Deuteranopia

82.6963, 81.0646, 99.2842



## **Tritanopia**

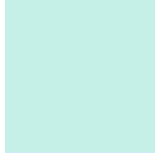
70.3503, 81.7603, 106.6812

# Trichromacy



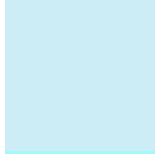
## Original Color

60.2414, 82.3065, 95.9308



## Protanomaly

68.7515, 80.0167, 88.1651



## Deuteranomaly

71.6675, 79.9983, 98.0501



## Tritanomaly

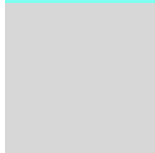
65.8259, 81.3162, 102.6687

# Monochromacy



## Original Color

60.2414, 82.3065, 95.9308



## Achromatopsia

64.5905, 67.9542, 74.0022



## Achromatomaly

61.2798, 72.0427, 81.1969

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 60.2414, 82.3065, 95.9308 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(126, 255, 241)` looks like.

```
.text, #text, p{  
    color:rgb(126, 255, 241)  
}
```

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(126, 255, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 255, 241) }
```

## Border

The CSS property to change the border of an element to XYZ 60.2414, 82.3065, 95.9308 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".

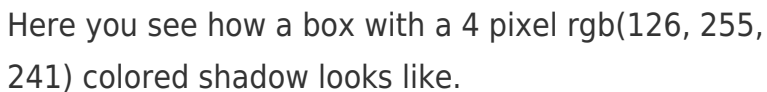
```
.border, #border, table{ border:4px solid rgb(126, 255, 241) }
```



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

```
.border{ border-color:rgb(126, 255, 241) }
```

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



Here you see how a box with a 4 pixel `rgb(126, 255, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(126, 255, 241); -webkit-box-shadow:4px 4px 4px 4px rgb(126, 255, 241); box-shadow:4px 4px 4px 4px rgb(126, 255, 241) }
```

# Background

The CSS property to change the background color of an element to XYZ 60.2414, 82.3065, 95.9308 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 255, 241) }
```

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

```
.background{ background-color: rgb(126,  
255, 241) }
```

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