

# Converting Colors

XYZ(60.0662, 72.3700, 94.8074)

Have a look what the booklet for  
XYZ(60.0662, 72.3700, 94.8074)  
contains.

<b>XYZ(60.0662, 72.3700, 94.8074)</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(60.0662, 72.3700,  
94.8074)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A2E9F2
RGB	162, 233, 242
RGB Percent	64%, 91%, 95%
CMY	0.3647, 0.0863, 0.0510
CMYK	0.33, 0.04, 0.00, 0.05
HSL	187°, 75%, 79%
HSV	187°, 33%, 95%
XYZ	60.0662, 72.3700, 94.8074
YIQ	212.7970, -45.2050, -12.2530

# Conversions

## Conversions Part 2

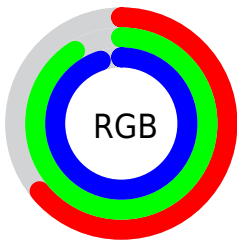
Format	Color
R <sub>YB</sub>	162, 200, 242
Decimal	10676722
CIE Lab	88.15, -19.83, -11.42
CIE LCh	88, 22.884, 209.933
Yxy	72.3700, 0.2643, 0.3185
Android (android.graphics.Color)	4288866802 (0xFFA2E9F2)
YUV	212.7970, 14.3971, -44.5490
Hunter-Lab	85.0706, -22.8391, -6.5267

# Details

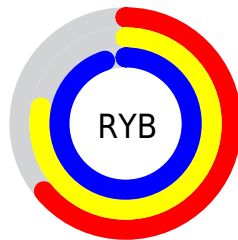
The XYZ color **60.0662, 72.3700, 94.8074** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **57.7035, 50.6124, 40.9119**, and the grayscale version is **63.0405, 66.3235, 72.2263**.

A 20% lighter version of the original color is **83.0234, 93.8001, 108.3372**, and **30.6485, 38.1153, 52.1960** is the 20% darker color. If you saturate the color by 10%, you get **54.8515, 68.5484, 94.3458**, and if you desaturate by 10%, it is **66.2431, 76.7088, 95.3205**.

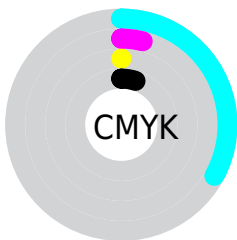
# Distribution



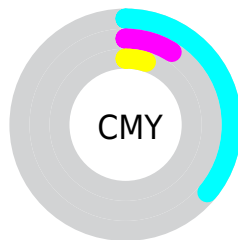
- Red (64%)
- Green (91%)
- Blue (95%)



- Red (64%)
- Yellow (78%)
- Blue (95%)



- Cyan (33%)
- Magenta (4%)
- Yellow (0%)
- Black (5%)



- Cyan (36%)
- Magenta (9%)
- Yellow (5%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 60.0662, 72.3700, 94.8074 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 60.0662, 72.3700, 94.8074 by changing the saturation by 10% instead.



60.0662, 72.3700,  
94.8074

60.0662, 72.3700,  
94.8074

414.6726,  
468.8284, 564.5168

43.7217, 53.4610,  
71.3787

104.0315,  
122.5824, 155.9918

30.6487, 38.1709,  
52.1676

132.3830,  
154.6546, 194.5845

20.4820, 26.1154,  
36.7555

165.4674,  
191.8833, 239.0690

12.8562, 16.9100,  
24.7239

203.6503,  
234.6530, 289.8638

7.4059, 10.1703,  
15.6543

247.2969,  
283.3479, 347.3875

3.7658, 5.5120,  
9.1282

296.7725,

1.5705, 2.5507,

338.3525, 412.0585

4.7269

352.4427,  
400.0512, 484.2954

■ 0.3731, 0.9019,  
2.0320

■ 0.0000, 0.0000,  
0.5749

■ 60.0662, 72.3700,  
94.8074

■ 60.0662, 72.3700,  
94.8074

■ 54.8515, 68.5484,  
94.3458

■ 66.2431, 76.7088,  
95.3205

■ 50.5379, 65.2071,  
93.9283

■ 73.4258, 81.5820,  
95.8826

■ 47.0675, 62.3181,  
93.5535

■ 81.6631, 87.0168,  
96.4975

■ 44.3731, 59.8464,  
93.2185

■ 89.5853, 92.3069,  
97.1010

■ 42.3766, 57.7519,  
92.9194

■ 90.4098, 93.9561,  
97.3759

■ 40.9837, 55.9858,  
92.6519

■ 91.2465, 95.6295,  
97.6548

■ 40.2727, 54.9017,  
92.4802

■ 92.0955, 97.3273,  
97.9377

■ 92.9566, 99.0496,  
98.2248

■ 93.0273, 99.1909,  
98.2483

# Harmonies

## Analogous

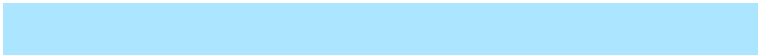
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



58.7934, 72.3700, 78.7633



60.0662, 72.3700, 94.8074



63.6487, 72.3700, 107.8524

# Triad

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



60.0662, 72.3700, 94.8074



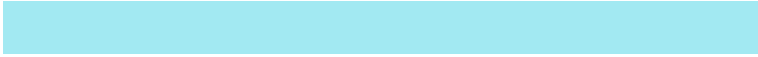
78.2968, 72.3700, 94.8766



68.7978, 72.3700, 52.3485

# Complementary

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



60.0662, 72.3700, 94.8074



57.7035, 50.6124, 40.9119

# 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.



74.1916, 72.3700, 55.4960



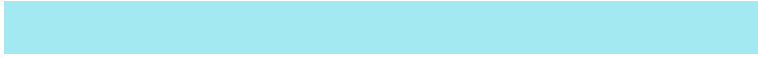
60.0662, 72.3700, 94.8074



79.8501, 72.3700, 78.8340

# Square

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



60.0662, 72.3700, 94.8074



74.1691, 72.3700, 107.8960



78.3103, 72.3700, 64.7017



63.6690, 72.3700, 55.4680

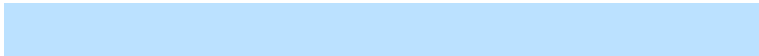


# Rectangle

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



60.0662, 72.3700, 94.8074



66.9631, 72.3700, 112.3388



78.3103, 72.3700, 64.7017



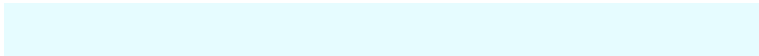
70.6407, 72.3700, 52.7024

# Sweetspot

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



60.0684, 72.3729, 94.8091



85.3748, 93.6641, 108.1870



53.9096, 74.0894, 49.4912



18.0037, 19.8686, 23.1361



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.



60.0684, 72.3729, 94.8091



63.3957, 78.4100, 106.4011



50.2206, 52.6774, 91.5265



16.0867, 17.6075, 20.2723



21.6983, 29.6208, 49.7016



1.8479, 2.5498, 4.1490



# Inverse Universe

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



64.2480, 50.6028, 83.4751



68.8888, 50.5455, 91.3382



66.1876, 67.5806, 43.7399



16.3732, 15.9990, 19.5215



26.2779, 12.7836, 35.7096

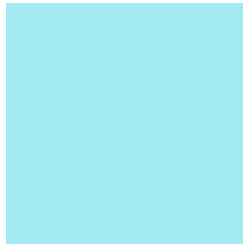


2.2077, 1.0721, 3.0845



# Previews

## White Background



This preview shows how the XYZ color 60.0662, 72.3700, 94.8074 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

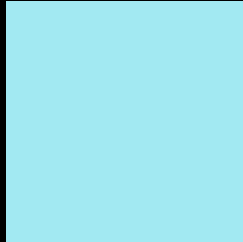
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 60.0662, 72.3700, 94.8074 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

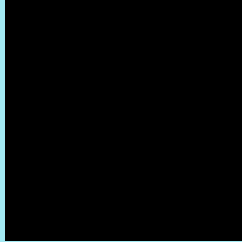
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 60.0662, 72.3700, 94.8074

## Background



This preview shows how black text looks on a background with the XYZ color 60.0662, 72.3700, 94.8074.



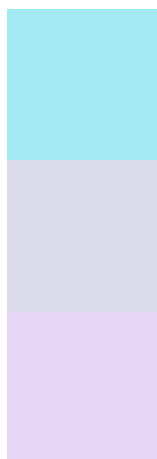
This preview shows how white text looks on a background with the XYZ color 60.0662, 72.3700,



# 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

60.0662, 72.3700, 94.8074

### Protanopia

69.5547, 71.7619, 87.2763

### Deuteranopia

73.3142, 71.5699, 97.1391



## Tritanopia

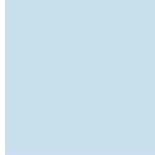
61.4218, 72.5079, 101.2006

# Trichromacy



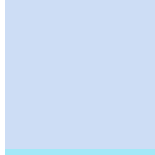
## Original Color

60.0662, 72.3700, 94.8074



## Protanomaly

65.3492, 71.5096, 89.7153



## Deuteranomaly

67.5147, 71.2846, 96.5871



## Tritanomaly

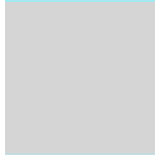
60.7494, 72.2152, 98.7328

# Monochromacy



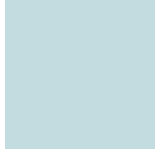
## Original Color

60.0662, 72.3700, 94.8074



## Achromatopsia

63.2451, 66.5387, 72.4607



## Achromatomaly

61.2959, 68.0376, 80.4229

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 60.0662, 72.3700, 94.8074 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(162, 233, 242)` looks like.

```
.text, #text, p{  
    color:rgb(162, 233, 242)  
}
```

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(162, 233, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 233, 242) }
```

## Border

The CSS property to change the border of an element to XYZ 60.0662, 72.3700, 94.8074 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(162, 233, 242) }
```



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

```
.border{ border-color:rgb(162, 233, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 233, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 233, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 233, 242);  
box-shadow:4px 4px 4px 4px rgb(162, 233,  
242) }
```

# Background

The CSS property to change the background color of an element to XYZ 60.0662, 72.3700, 94.8074 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 233, 242) }
```

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

```
.background{ background-color: rgb(162,  
233, 242) }
```

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