

Converting Colors

XYZ(57.7102, 67.7136, 97.6100)

Have a look what the booklet for
XYZ(57.7102, 67.7136, 97.6100)
contains.

XYZ(57.6603, 67.7733, 97.2313)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(57.6603, 67.7733,
97.2313)**

Conversions

Conversions Part 1

Format	Color
Hex	9EE1F6
RGB	158, 225, 246
RGB Percent	62%, 88%, 96%
CMY	0.3804, 0.1176, 0.0353
CMYK	0.36, 0.09, 0.00, 0.04
HSL	194°, 83%, 79%
HSV	194°, 36%, 96%
XYZ	57.6603, 67.7733, 97.2313
YIQ	207.3610, -46.6730, -7.6730

Conversions

Conversions Part 2

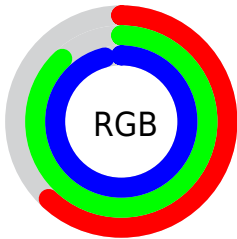
Format	Color
R_{YB}	158, 196, 246
Decimal	10412534
CIE _{Lab}	85.89, -15.93, -16.92
CIE _{LCh}	86, 23.234, 226.731
Yxy	67.7733, 0.2590, 0.3044
Android (android.graphics.Color)	4288602614 (0xFF9EE1F6)
YUV	207.3610, 19.0490, -43.2896
Hunter-Lab	82.3245, -19.0461, -12.3986

Details

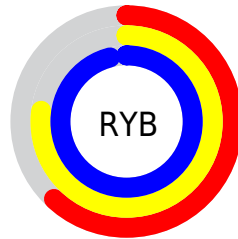
The XYZ color **57.6603, 67.7733, 97.2313** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **60.2988, 54.3026, 39.6529**, and the grayscale version is **59.4451, 62.5409, 68.1070**.

A 20% lighter version of the original color is **81.8343, 93.1871, 108.2815**, and **29.2625, 35.3507, 53.9963** is the 20% darker color. If you saturate the color by 10%, you get **51.7380, 62.4064, 96.5087**, and if you desaturate by 10%, it is **64.6098, 73.7540, 98.0206**.

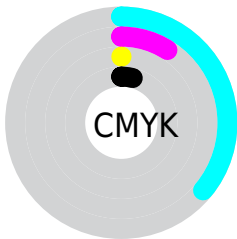
Distribution



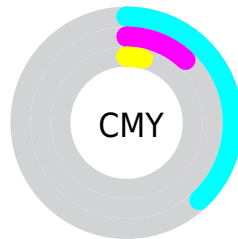
- Red (62%)
- Green (88%)
- Blue (96%)



- Red (62%)
- Yellow (77%)
- Blue (96%)



- Cyan (36%)
- Magenta (9%)
- Yellow (0%)
- Black (4%)



- Cyan (38%)
- Magenta (12%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 57.6603, 67.7733, 97.2313 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 57.6603, 67.7733, 97.2313 by changing the saturation by 10% instead.

■ 57.6603, 67.7733,
97.2313

■ 57.6603, 67.7733,
97.2313

405.8932,
452.6924, 572.4496

■ 41.7778, 49.7133,
73.3864

■ 100.5538,
116.0278, 159.3656

■ 29.1177, 35.1857,
53.7982

■ 128.2956,
146.9911, 198.4921

■ 19.3146, 23.8059,
38.0483

160.7211,
183.0242, 243.5496

■ 12.0032, 15.1897,
25.7180

198.1958,
224.5117, 294.9565

■ 6.8181, 8.9526,
16.3889

241.0850,
271.8379, 353.1314

■ 3.3939, 4.7103,
9.6425

289.7541,

■ 1.3653, 2.0783,

325.3871, 418.4929

5.0601

344.5684,
385.5438, 491.4594

■ 0.2313, 0.6524,
2.2232

■ 0.0000, 0.0000,
0.6877

■ 57.6603, 67.7733,
97.2313

■ 57.6603, 67.7733,
97.2313

■ 51.7380, 62.4064,
96.5087

■ 64.6098, 73.7540,
98.0206

■ 46.7780, 57.6141,
95.8451

■ 72.6341, 80.3689,
98.8745

■ 42.7176, 53.3650,
95.2389

■ 81.7851, 87.6473,
99.7970

■ 39.4834, 49.6203,
94.6866

■ 91.5911, 95.3466,
100.7663

■ 36.9900, 46.3353,
94.1840

■ 93.4289, 99.0223,
101.3789

■ 35.1318, 43.4545,
93.7259

■ 93.6348, 99.4339,
101.4475

■ 34.4692, 42.3228,
93.5423

Harmonies

Analogous

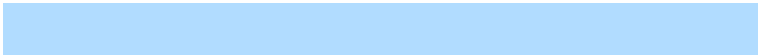
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



55.1137, 67.7733, 82.5472



57.6603, 67.7733, 97.2313



62.0984, 67.7733, 106.1158

Triad

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



57.6603, 67.7733, 97.2313



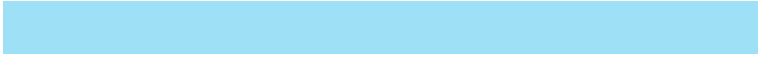
74.8878, 67.7733, 80.7197



61.5181, 67.7733, 49.1560

Complementary

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



57.6603, 67.7733, 97.2313



60.2988, 54.3026, 39.6529

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.



66.7915, 67.7733, 48.8077



57.6603, 67.7733, 97.2313



74.7112, 67.7733, 65.6818

Square

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



57.6603, 67.7733, 97.2313



72.1508, 67.7733, 95.7358



71.6808, 67.7733, 54.4619



57.2556, 67.7733, 55.4897

Rectangle

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



57.6603, 67.7733, 97.2313



65.6222, 67.7733, 106.8563



71.6808, 67.7733, 54.4619



63.2257, 67.7733, 48.3688

Sweetspot

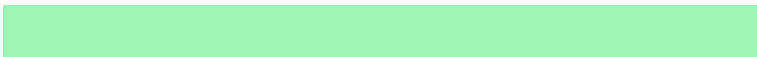
The Sweet Spot groups the original color and five complimentary colors.



57.6624, 67.7760, 97.2329



83.3746, 90.8664, 107.7524



55.1474, 76.4179, 54.2461



17.5603, 19.2215, 23.0345



0.0000, 0.0000, 0.0000



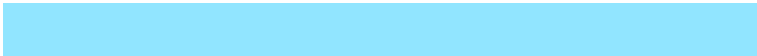
20.3446, 21.4041, 23.3091

Same Dimension

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



57.6624, 67.7760, 97.2329



57.7627, 69.2194, 104.9240



47.3557, 47.1626, 93.7973



16.6421, 18.0484, 21.1491



18.5120, 22.8179, 49.9666



1.7057, 2.1627, 4.4178

Inverse Universe

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



63.8252, 49.4846, 77.4245



65.5389, 47.2659, 79.6776



70.4422, 74.5893, 43.0340



17.0347, 16.6967, 19.9290



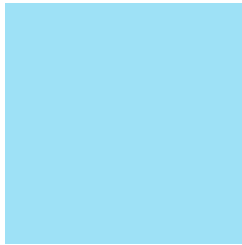
25.1485, 12.4028, 26.5543



2.2500, 1.1060, 2.5428

Previews

White Background



This preview shows how the XYZ color 57.6603, 67.7733, 97.2313 looks on a white background.

Color Contrast Check

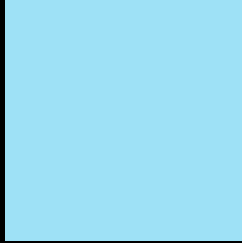
Large Text (above 18pt) WCAG AA × Fail

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 57.6603, 67.7733, 97.2313 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

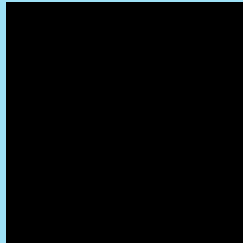
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 57.6603, 67.7733, 97.2313

Background



This preview shows how black text looks on a background with the XYZ color 57.6603, 67.7733, 97.2313.



This preview shows how white text looks on a background with the XYZ color 57.6603, 67.7733,

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

57.6603, 67.7733, 97.2313

Protanopia

65.8401, 67.1089, 90.3721

Deuteranopia

68.8128, 67.3459, 98.9948



Tritanopia

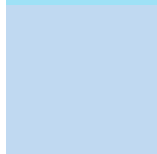
57.1590, 67.5502, 95.6138

Trichromacy



Original Color

57.6603, 67.7733, 97.2313



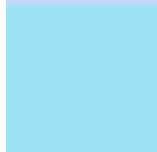
Protanomaly

62.4283, 67.1830, 92.8964



Deuteranomaly

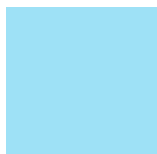
64.0087, 67.1140, 98.3876



Tritanomaly

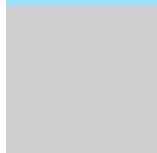
57.3113, 67.6111, 96.4158

Monochromacy



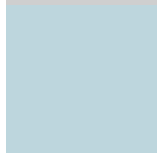
Original Color

57.6603, 67.7733, 97.2313



Achromatopsia

59.3074, 62.3960, 67.9493



Achromatomaly

58.0840, 64.1324, 77.7241

CSS Examples

Text

The CSS property to change the color of the text to XYZ 57.6603, 67.7733, 97.2313 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(158, 225, 246)` looks like.

```
.text, #text, p{  
    color:rgb(158, 225, 246)  
}
```

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(158, 225, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 225, 246) }
```

Border

The CSS property to change the border of an element to XYZ 57.6603, 67.7733, 97.2313 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(158, 225, 246) }
```


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

```
.border{ border-color:rgb(158, 225, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 225, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 225, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 225, 246);  
box-shadow:4px 4px 4px 4px rgb(158, 225,  
246) }
```

Background

The CSS property to change the background color of an element to XYZ 57.6603, 67.7733, 97.2313 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 225, 246) }
```

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

```
.background{ background-color: rgb(158,  
225, 246) }
```

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