

Converting Colors

XYZ(60.7914, 70.2200,
104.9575)

Have a look what the booklet for
XYZ(60.7914, 70.2200, 104.9575)
contains.

XYZ(60.6233, 69.9447, 104.9132)	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(60.6233, 69.9447,
104.9132)**

Conversions

Conversions Part 1

Format	Color
Hex	A3E3FF
RGB	163, 227, 255
RGB Percent	64%, 89%, 100%
CMY	0.3608, 0.1098, 0.0000
CMYK	0.36, 0.11, 0.00, 0.00
HSL	198°, 100%, 82%
HSV	198°, 36%, 100%
XYZ	60.6233, 69.9447, 104.9132
YIQ	211.0560, -47.1320, -4.8600

Conversions

Conversions Part 2

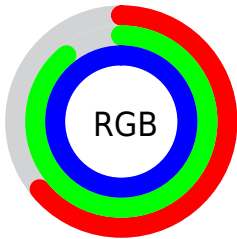
Format	Color
R _Y B	163, 201, 255
Decimal	10740735
CIE _{Lab}	86.97, -13.44, -20.01
CIE _{LCh}	87, 24.099, 236.112
Y _{xy}	69.9447, 0.2574, 0.2970
Android (android.graphics.Color)	4288930815 (0xFFA3E3FF)
Y _{UV}	211.0560, 21.6644, -42.1451
Hunter-Lab	83.6329, -16.9678, -15.8332

Details

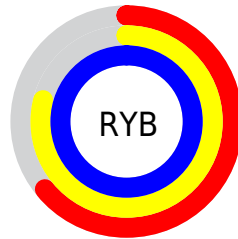
The XYZ color **60.6233, 69.9447, 104.9132** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **66.4819, 61.1660, 42.9544**, and the grayscale version is **61.8392, 65.0597, 70.8500**.

A 20% lighter version of the original color is **83.3252, 93.9556, 108.3513**, and **31.0090, 36.7081, 58.8771** is the 20% darker color. If you saturate the color by 10%, you get **53.8446, 63.3715, 104.0018**, and if you desaturate by 10%, it is **68.5542, 77.2572, 105.9067**.

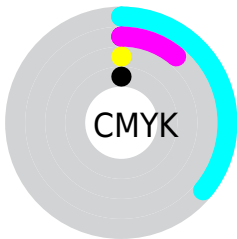
Distribution



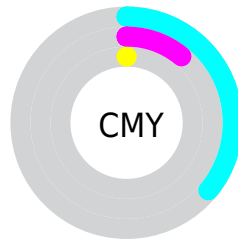
- Red (64%)
- Green (89%)
- Blue (100%)



- Red (64%)
- Yellow (79%)
- Blue (100%)



- Cyan (36%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)



- Cyan (36%)
- Magenta (11%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 60.6233, 69.9447, 104.9132 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 60.6233, 69.9447, 104.9132 by changing the saturation by 10% instead.

60.6233, 69.9447,
104.9132

60.6233, 69.9447,
104.9132

416.6895,
460.3558, 597.2133

44.1726, 51.4815,
79.7704

104.8345,
119.1299, 170.0034

31.0047, 36.5919,
59.0044

133.3258,
150.6206, 210.7878

20.7543, 24.8917,
42.1966

166.5612,
187.2226, 257.6232

13.0560, 15.9964,
28.9285

204.9063,
229.3203, 310.9280

7.5444, 9.5216,
18.7817

248.7263,
277.2981, 371.1210

3.8541, 5.0829,
11.3374

298.3866,

1.6199, 2.2960,

331.5403, 438.6204

6.1772

354.2525,
392.4315, 513.8450

■ 0.4054, 0.7716,
2.8826

■ 0.0000, 0.0000,
1.0350

■ 60.6233, 69.9447,
104.9132

■ 60.6233, 69.9447,
104.9132

■ 53.8446, 63.3715,
104.0018

■ 68.5542, 77.2572,
105.9067

■ 48.1473, 57.4944,
103.1676

■ 77.6911, 85.3335,
106.9840

■ 43.4616, 52.2770,
102.4076

■ 88.0910, 94.2066,
108.1485

■ 39.7065, 47.6758,
101.7173

95.0500, 100.0000,
108.9000

■ 36.7871, 43.6398,
101.0922

■ 34.5862, 40.1065,
100.5262

■ 33.8512, 38.8223,
100.3171

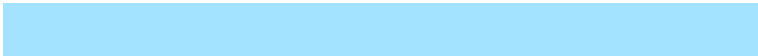
Harmonies

Analogous

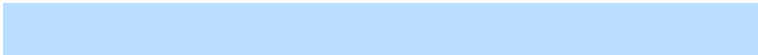
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



57.2229, 69.9447, 90.6395



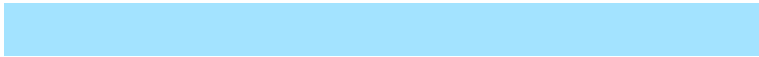
60.6233, 69.9447, 104.9132



65.7487, 69.9447, 111.4798

Triad

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



60.6233, 69.9447, 104.9132



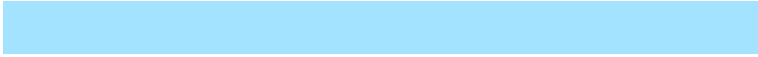
77.8803, 69.9447, 78.2803



61.8272, 69.9447, 51.5661

Complementary

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



60.6233, 69.9447, 104.9132



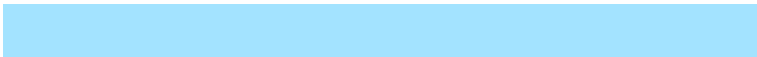
66.4819, 61.1660, 42.9544

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.



67.2173, 69.9447, 49.2170



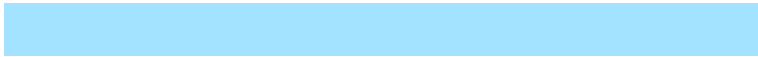
60.6233, 69.9447, 104.9132



76.6859, 69.9447, 63.3073

Square

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



60.6233, 69.9447, 104.9132



75.8811, 69.9447, 94.7921



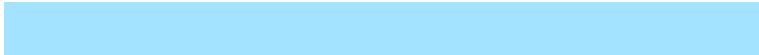
72.7030, 69.9447, 53.2047



57.8899, 69.9447, 60.1413

Rectangle

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



60.6233, 69.9447, 104.9132



69.5311, 69.9447, 110.0079



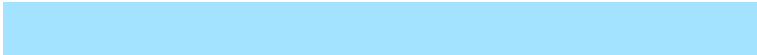
72.7030, 69.9447, 53.2047



63.5202, 69.9447, 50.0792

Sweetspot

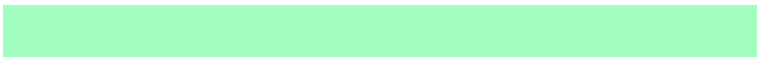
The Sweet Spot groups the original color and five complimentary colors.



60.6252, 69.9473, 104.9136



82.8098, 89.7369, 107.5641



60.2253, 83.0510, 61.9175



17.4252, 18.9513, 22.9895



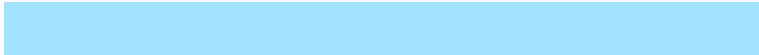
0.0000, 0.0000, 0.0000



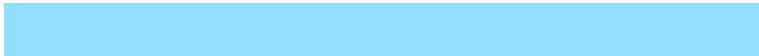
20.3446, 21.4041, 23.3091

Same Dimension

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



60.6252, 69.9473, 104.9136



55.8124, 65.3187, 104.2739



49.7610, 48.2188, 101.2922



18.0610, 19.4935, 23.0607



17.8258, 20.5612, 52.4638



1.8321, 2.1949, 5.1404

Inverse Universe

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



68.2036, 53.0020, 79.3117



64.5545, 46.8721, 74.4936



78.0199, 84.2419, 46.8003



18.5434, 18.2007, 21.4788



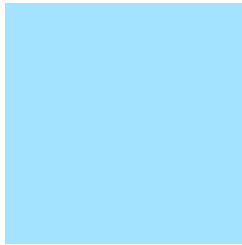
25.7859, 12.8036, 23.3206



2.5594, 1.2661, 2.5270

Previews

White Background



This preview shows how the XYZ color 60.6233, 69.9447, 104.9132 looks on a white background.

Color Contrast Check

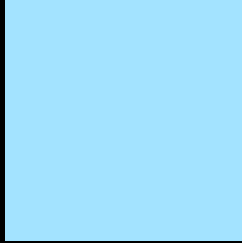
Large Text (above 18pt) WCAG AA × Fail

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 60.6233, 69.9447, 104.9132 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

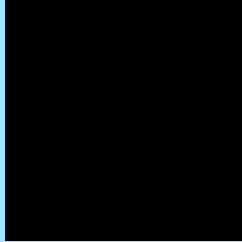
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 60.6233, 69.9447, 104.9132

Background



This preview shows how black text looks on a background with the XYZ color 60.6233, 69.9447, 104.9132.

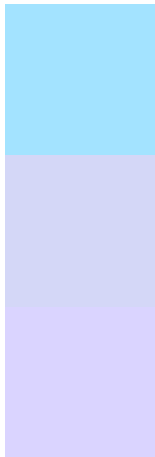


This preview shows how white text looks on a background with the XYZ color 60.6233, 69.9447,

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

60.6233, 69.9447, 104.9132

Protanopia

68.2403, 69.3133, 97.7778

Deuteranopia

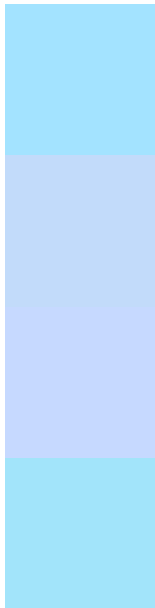
70.5069, 69.2124, 104.2510



Tritanopia

59.2298, 69.7793, 98.3427

Trichromacy



Original Color

60.6233, 69.9447, 104.9132

Protanomaly

64.8350, 69.0345, 100.3503

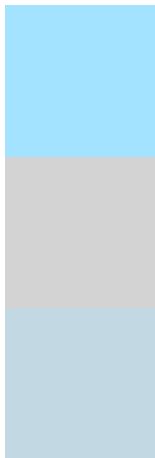
Deuteranomaly

66.1516, 68.8515, 104.4108

Tritanomaly

59.8990, 70.0703, 100.8104

Monochromacy



Original Color

60.6233, 69.9447, 104.9132

Achromatopsia

61.9161, 65.1406, 70.9381

Achromatomaly

60.9261, 66.6411, 82.3249

CSS Examples

Text

The CSS property to change the color of the text to XYZ 60.6233, 69.9447, 104.9132 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(163, 227, 255)` looks like.

```
.text, #text, p{  
    color:rgb(163, 227, 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(163, 227, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 227, 255) }
```

Border

The CSS property to change the border of an element to XYZ 60.6233, 69.9447, 104.9132 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(163, 227, 255) }
```


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

```
.border{ border-color:rgb(163, 227, 255) }
```

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

Here you see how a box with a 4 pixel rgb(163, 227, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 227, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 227, 255);  
box-shadow:4px 4px 4px 4px rgb(163, 227,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 60.6233, 69.9447, 104.9132 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 227, 255) }
```

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

```
.background{ background-color: rgb(163,  
227, 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](#).

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