

Converting Colors

XYZ(60.3117, 68.4757,
104.6461)

Have a look what the booklet for
XYZ(60.3117, 68.4757, 104.6461)
contains.

XYZ(60.4315, 68.6383, 104.6712)	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(60.4315, 68.6383,
104.6712)**

Conversions

Conversions Part 1

Format	Color
Hex	A6E0FF
RGB	166, 224, 255
RGB Percent	65%, 88%, 100%
CMY	0.3490, 0.1216, 0.0000
CMYK	0.35, 0.12, 0.00, 0.00
HSL	201°, 100%, 83%
HSV	201°, 35%, 100%
XYZ	60.4315, 68.6383, 104.6712
YIQ	210.1920, -44.5190, -2.6550

Conversions

Conversions Part 2

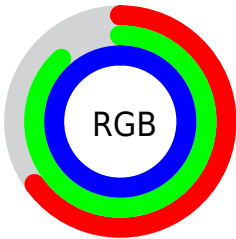
Format	Color
R_{YB}	166, 201, 255
Decimal	10936575
CIE _{Lab}	86.32, -11.11, -20.97
CIE _{LCh}	86, 23.728, 242.079
Yxy	68.6383, 0.2585, 0.2937
Android (android.graphics.Color)	4289126655 (0xFFA6E0FF)
YUV	210.1920, 22.0903, -38.7564
Hunter-Lab	82.8482, -14.7822, -16.9138

Details

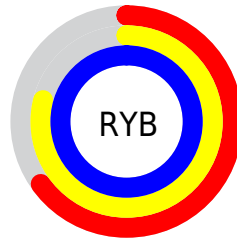
The XYZ color **60.4315, 68.6383, 104.6712** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **68.0894, 63.9456, 44.8322**, and the grayscale version is **61.2667, 64.4573, 70.1940**.

A 20% lighter version of the original color is **84.2414, 94.4280, 108.3942**, and **30.9366, 35.8327, 58.7119** is the 20% darker color. If you saturate the color by 10%, you get **53.2820, 61.5028, 103.6707**, and if you desaturate by 10%, it is **68.7692, 76.5747, 105.7636**.

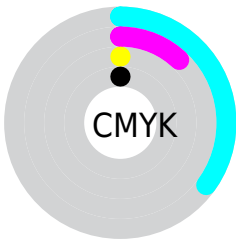
Distribution



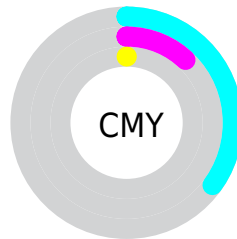
- Red (65%)
- Green (88%)
- Blue (100%)



- Red (65%)
- Yellow (79%)
- Blue (100%)



- Cyan (35%)
- Magenta (12%)
- Yellow (0%)
- Black (0%)



- Cyan (35%)
- Magenta (12%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 60.4315, 68.6383, 104.6712 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 60.4315, 68.6383, 104.6712 by changing the saturation by 10% instead.

60.4315, 68.6383,
104.6712

60.4315, 68.6383,
104.6712

415.9957,
455.7542, 596.4415

44.0173, 50.4172,
79.5688

104.5581,
117.2648, 169.6695

30.8821, 35.7450,
58.8395

133.0013,
148.4390, 210.4024

20.6605, 24.2373,
42.0648

166.1849,
184.6997, 257.1826

12.9871, 15.5098,
28.8261

204.4742,
226.4313, 310.4286

7.4966, 9.1779,
18.7048

248.2345,
274.0181, 370.5590

3.8236, 4.8574,
11.2825

297.8314,

1.6028, 2.1638,

327.8446, 437.9922

6.1407

353.6300,
388.2952, 513.1469

■ 0.3943, 0.7002,
2.8606

■ 0.0000, 0.0000,
1.0239

■ 60.4315, 68.6383,
104.6712

■ 60.4315, 68.6383,
104.6712

■ 53.2820, 61.5028,
103.6707

■ 68.7692, 76.5747,
105.7636

■ 47.2502, 55.1242,
102.7574

■ 78.3490, 85.3376,
106.9501

■ 42.2665, 49.4653,
101.9278

■ 89.2283, 94.9610,
108.2342

■ 38.2504, 44.4817,
101.1776

■ 95.0500, 100.0000,
108.9000

■ 35.1082, 40.1222,
100.5017

■ 32.7255, 36.3245,
99.8943

■ 31.7204, 34.5608,
99.6068

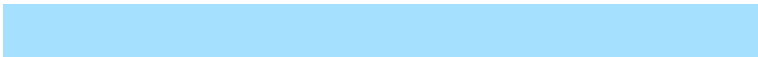
Harmonies

Analogous

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



56.7177, 68.6383, 91.9209



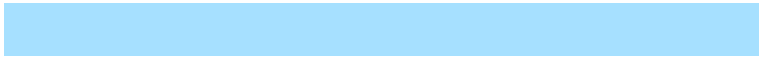
60.4315, 68.6383, 104.6712



65.6213, 68.6383, 109.1015

Triad

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



60.4315, 68.6383, 104.6712



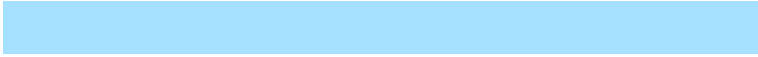
76.3365, 68.6383, 73.6470



59.8051, 68.6383, 51.9862

Complementary

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



60.4315, 68.6383, 104.6712



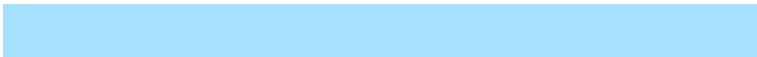
68.0894, 63.9456, 44.8322

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.



64.8575, 68.6383, 48.4698



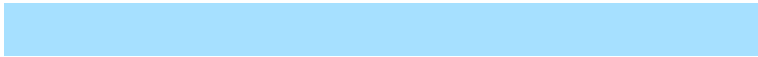
60.4315, 68.6383, 104.6712



74.5729, 68.6383, 59.8377

Square

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



60.4315, 68.6383, 104.6712



74.9912, 68.6383, 89.7634



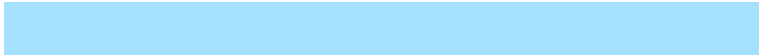
70.2942, 68.6383, 51.1323



56.3705, 68.6383, 61.4860

Rectangle

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



60.4315, 68.6383, 104.6712



69.2768, 68.6383, 106.3057



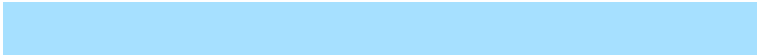
70.2942, 68.6383, 51.1323



61.3605, 68.6383, 50.1303

Sweetspot

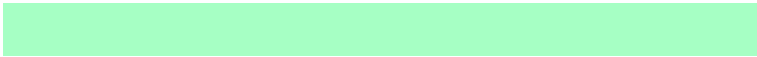
The Sweet Spot groups the original color and five complimentary colors.



60.4334, 68.6409, 104.6716



83.5148, 89.9442, 107.5670



61.4128, 83.5979, 64.9265



17.5516, 18.9644, 22.9854



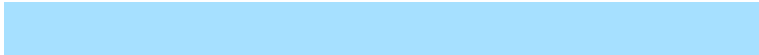
0.0000, 0.0000, 0.0000



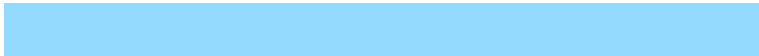
20.3446, 21.4041, 23.3091

Same Dimension

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



60.4334, 68.6409, 104.6716



55.2380, 63.4934, 103.9518



50.2673, 48.3086, 101.2829



17.9912, 19.3539, 23.0374



16.7197, 18.3491, 52.0951



1.7303, 1.9913, 5.1064

Inverse Universe

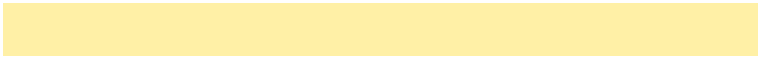
The Inverse Universe completely reimagines the original color for something new.



68.3320, 53.9158, 77.3292



64.4297, 47.4547, 71.8871



79.3326, 86.4320, 48.5799



18.5082, 18.1866, 21.2933



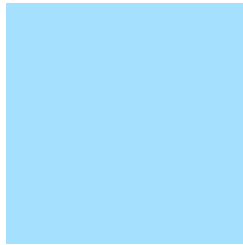
25.2276, 12.5803, 20.3806



2.5080, 1.2456, 2.2564

Previews

White Background



This preview shows how the XYZ color 60.4315, 68.6383, 104.6712 looks on a white background.

Color Contrast Check

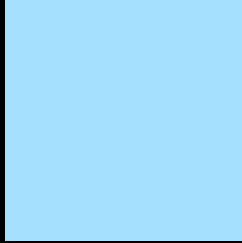
Large Text (above 18pt) WCAG AA × Fail

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 60.4315, 68.6383, 104.6712 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

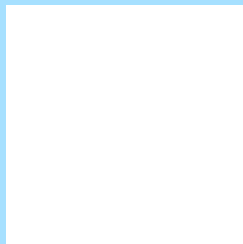
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 60.4315, 68.6383, 104.6712

Background



This preview shows how black text looks on a background with the XYZ color 60.4315, 68.6383, 104.6712.

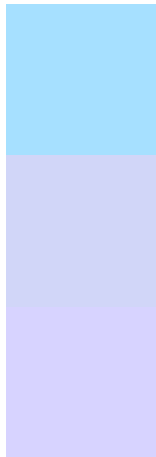


This preview shows how white text looks on a background with the XYZ color 60.4315, 68.6383,

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

60.4315, 68.6383, 104.6712

Protanopia

67.2843, 68.4258, 98.4682

Deuteranopia

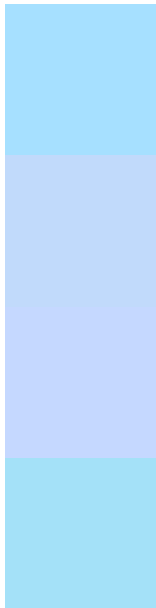
69.3686, 68.2556, 104.1263



Tritanopia

58.6297, 68.7109, 95.7604

Trichromacy



Original Color

60.4315, 68.6383, 104.6712

Protanomaly

64.4763, 68.4453, 101.0798

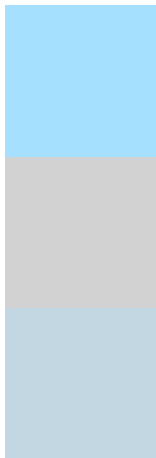
Deuteranomaly

65.6318, 68.2021, 104.3129

Tritanomaly

59.1783, 68.5203, 98.9136

Monochromacy



Original Color

60.4315, 68.6383, 104.6712

Achromatopsia

61.2578, 64.4480, 70.1838

Achromatomaly

60.2760, 65.5612, 81.4292

CSS Examples

Text

The CSS property to change the color of the text to XYZ 60.4315, 68.6383, 104.6712 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(166, 224, 255)` looks like.

```
.text, #text, p{  
    color:rgb(166, 224, 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(166, 224, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 224, 255) }
```

Border

The CSS property to change the border of an element to XYZ 60.4315, 68.6383, 104.6712 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(166, 224, 255) }
```


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

```
.border{ border-color:rgb(166, 224, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 224, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(166, 224, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(166, 224, 255); box-shadow:4px 4px 4px 4px rgb(166, 224, 255) }
```

Background

The CSS property to change the background color of an element to XYZ 60.4315, 68.6383, 104.6712 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 224, 255) }
```

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

```
.background{ background-color: rgb(166,  
224, 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