

Converting Colors

XYZ(63.1968, 73.5735,
105.0819)

Have a look what the booklet for
XYZ(63.1968, 73.5735, 105.0819)
contains.

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Color

**XYZ(63.3374, 73.8227,
105.5187)**

Conversions

Conversions Part 1

Format	Color
Hex	A8E9FF
RGB	168, 233, 255
RGB Percent	66%, 91%, 100%
CMY	0.3412, 0.0863, 0.0000
CMYK	0.34, 0.09, 0.00, 0.00
HSL	195°, 100%, 83%
HSV	195°, 34%, 100%
XYZ	63.3374, 73.8227, 105.5187
YIQ	216.0730, -45.8020, -6.9380

Conversions

Conversions Part 2

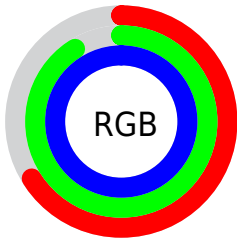
Format	Color
R_{YB}	168, 205, 255
Decimal	11069951
CIE _{Lab}	88.84, -15.16, -17.16
CIE _{LCh}	89, 22.901, 228.539
Yxy	73.8227, 0.2610, 0.3042
Android (android.graphics.Color)	4289260031 (0xFFA8E9FF)
YUV	216.0730, 19.1910, -42.1600
Hunter-Lab	85.9201, -18.7761, -12.6701

Details

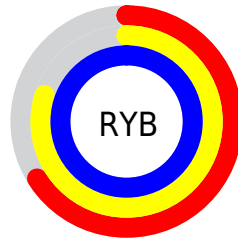
The XYZ color **63.3374, 73.8227, 105.5187** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **66.7216, 60.9141, 45.2887**, and the grayscale version is **65.2175, 68.6139, 74.7205**.

A 20% lighter version of the original color is **84.8613, 94.7476, 108.4232**, and **32.5973, 38.9662, 59.2293** is the 20% darker color. If you saturate the color by 10%, you get **56.6401, 67.7116, 104.6921**, and if you desaturate by 10%, it is **71.1699, 80.6216, 106.4182**.

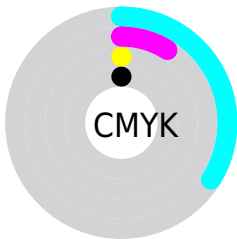
Distribution



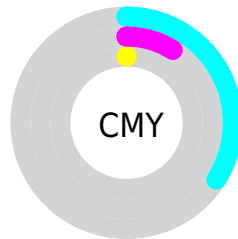
- Red (66%)
- Green (91%)
- Blue (100%)



- Red (66%)
- Yellow (80%)
- Blue (100%)



- Cyan (34%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)



- Cyan (34%)
- Magenta (9%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.3374, 73.8227, 105.5187 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 63.3374, 73.8227, 105.5187 by changing the saturation by 10% instead.

63.3374, 73.8227,
105.5187

63.3374, 73.8227,
105.5187

426.4332,
473.8612, 599.1421

46.3739, 54.6489,
80.2749

108.7352,
124.6444, 170.8385

32.7468, 39.1207,
59.4171

137.9002,
157.0612, 211.7515

22.0909, 26.8537,
42.5267

171.8631,
194.6611, 258.7247

14.0407, 17.4633,
29.1853

210.9892,
237.8285, 312.1766

8.2308, 10.5654,
18.9743

255.6439,
286.9478, 372.5258

4.2961, 5.7754,
11.4751

306.1926,

1.8710, 2.7090,

342.4035, 440.1907

6.2692

363.0006,
404.5798, 515.5899

■ 0.5599, 0.9818,
2.9380

■ 0.0000, 0.0000,
1.0631

■ 63.3374, 73.8227,
105.5187

■ 63.3374, 73.8227,
105.5187

■ 56.6401, 67.7116,
104.6921

■ 71.1699, 80.6216,
106.4182

■ 51.0086, 62.2462,
103.9340

■ 80.1896, 88.1307,
107.3922

■ 46.3754, 57.3922,
103.2413

■ 90.4526, 96.3818,
108.4439

■ 42.6620, 53.1083,
102.6101

95.0500, 100.0000,
108.9000

■ 39.7773, 49.3463,
102.0361

■ 37.6102, 46.0479,
101.5136

■ 36.5778, 44.2755,
101.2259

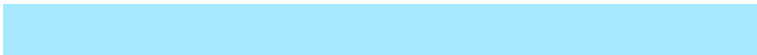
Harmonies

Analogous

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



60.5303, 73.8227, 90.4909



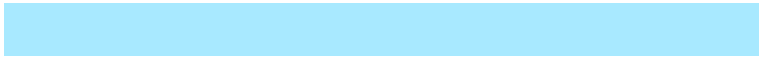
63.3374, 73.8227, 105.5187



68.0679, 73.8227, 114.1947

Triad

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



63.3374, 73.8227, 105.5187



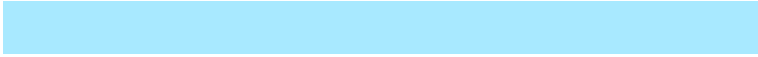
81.1492, 73.8227, 86.6051



66.8288, 73.8227, 54.7543

Complementary

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



63.3374, 73.8227, 105.5187



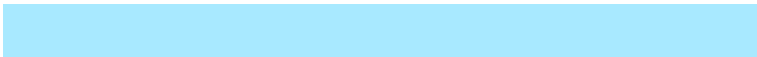
66.7216, 60.9141, 45.2887

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.



72.3074, 73.8227, 54.0020



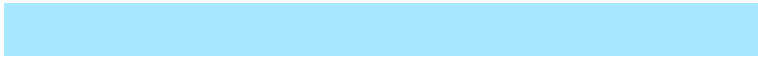
63.3374, 73.8227, 105.5187



80.7742, 73.8227, 71.0525

Square

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



63.3374, 73.8227, 105.5187



78.4682, 73.8227, 102.3532



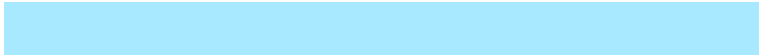
77.4691, 73.8227, 59.5898



62.4715, 73.8227, 61.8013

Rectangle

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



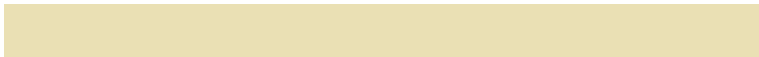
63.3374, 73.8227, 105.5187



71.7622, 73.8227, 114.5369



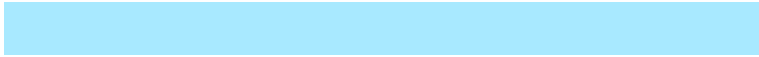
77.4691, 73.8227, 59.5898



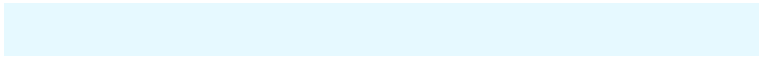
68.5942, 73.8227, 53.7947

Sweetspot

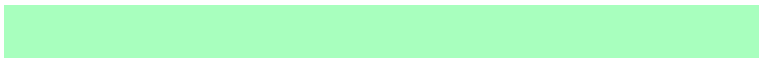
The Sweet Spot groups the original color and five complimentary colors.



63.3394, 73.8255, 105.5191



84.2605, 91.4355, 107.8156



61.1766, 83.5522, 61.4766



17.7326, 19.3264, 23.0457



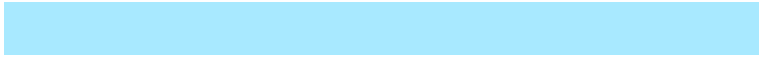
0.0000, 0.0000, 0.0000



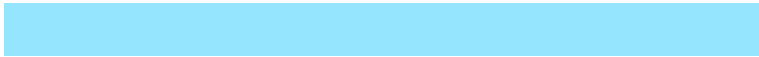
20.3446, 21.4041, 23.3091

Same Dimension

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



63.3394, 73.8255, 105.5191



58.6100, 69.5455, 104.9423



52.5593, 52.2653, 101.9258



18.1432, 19.6580, 23.0881



19.2382, 23.3860, 52.9346



1.9603, 2.4512, 5.1831

Inverse Universe

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



69.9520, 55.1502, 84.0522



66.3006, 48.8495, 79.7459



77.5183, 82.5073, 48.8876



18.5849, 18.2173, 21.6973



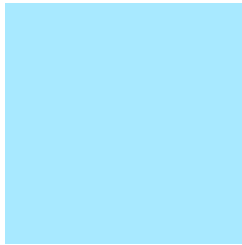
26.4988, 13.0888, 27.0747



2.6241, 1.2920, 2.8677

Previews

White Background



This preview shows how the XYZ color 63.3374, 73.8227, 105.5187 looks on a white background.

Color Contrast Check

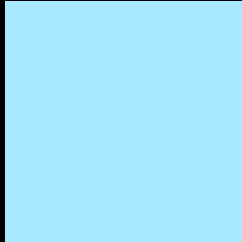
Large Text (above 18pt) WCAG AA × Fail

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 63.3374, 73.8227, 105.5187 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

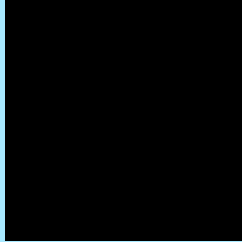
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 63.3374, 73.8227, 105.5187

Background



This preview shows how black text looks on a background with the XYZ color 63.3374, 73.8227, 105.5187.

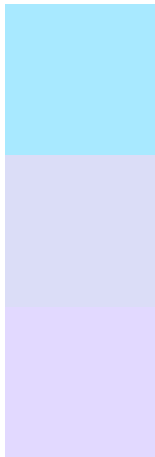


This preview shows how white text looks on a background with the XYZ color 63.3374, 73.8227,

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

63.3374, 73.8227, 105.5187

Protanopia

71.8584, 73.4884, 98.3930

Deuteranopia

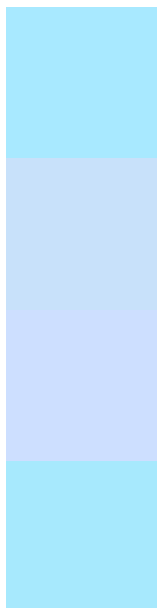
74.2269, 73.0145, 104.7888



Tritanopia

62.6460, 73.5216, 102.9848

Trichromacy



Original Color

63.3374, 73.8227, 105.5187

Protanomaly

68.0000, 73.0319, 100.9551

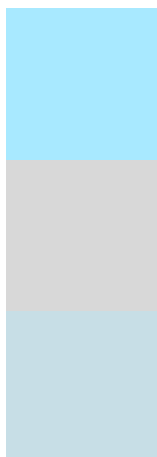
Deuteranomaly

69.6145, 72.9745, 105.0241

Tritanomaly

62.8049, 73.5852, 103.8217

Monochromacy



Original Color

63.3374, 73.8227, 105.5187

Achromatopsia

65.2694, 68.6685, 74.7800

Achromatomaly

63.9574, 70.0978, 85.0222

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.3374, 73.8227, 105.5187 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(168, 233, 255)` looks like.

```
.text, #text, p{  
    color:rgb(168, 233, 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(168, 233, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 233, 255) }
```

Border

The CSS property to change the border of an element to XYZ 63.3374, 73.8227, 105.5187 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(168, 233, 255) }
```


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

```
.border{ border-color:rgb(168, 233, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 233, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 233, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 233, 255);  
box-shadow:4px 4px 4px 4px rgb(168, 233,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 63.3374, 73.8227, 105.5187 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 233, 255) }
```

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

```
.background{ background-color: rgb(168,  
233, 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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