

Converting Colors

XYZ(64.9232, 74.7593,
115.3792)

Have a look what the booklet for
XYZ(64.9232, 74.7593, 115.3792)
contains.

XYZ(63.1987, 74.1726, 105.5936)	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(63.1987, 74.1726,
105.5936)**

Conversions

Conversions Part 1

Format	Color
Hex	A6EAFF
RGB	166, 234, 255
RGB Percent	65%, 92%, 100%
CMY	0.3490, 0.0823, 0.0000
CMYK	0.35, 0.08, 0.00, 0.00
HSL	194°, 100%, 83%
HSV	194°, 35%, 100%
XYZ	63.1987, 74.1726, 105.5936
YIQ	216.0620, -47.2690, -7.8850

Conversions

Conversions Part 2

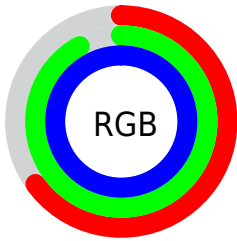
Format	Color
R _Y B	166, 205, 255
Decimal	10939135
CIE Lab	89.00, -16.19, -16.92
CIE LCh	89, 23.424, 226.261
Yxy	74.1726, 0.2601, 0.3053
Android (android.graphics.Color)	4289129215 (0xFFA6E AFF)
YUV	216.0620, 19.1964, -43.9044
Hunter-Lab	86.1235, -19.7302, -12.4073

Details

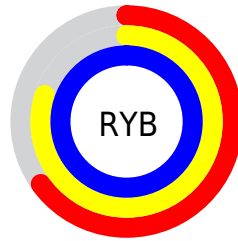
The XYZ color **63.1987, 74.1726, 105.5936** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **65.8936, 59.5539, 44.1004**, and the grayscale version is **65.2106, 68.6067, 74.7127**.

A 20% lighter version of the original color is **84.2414, 94.4280, 108.3942**, and **32.5438, 39.2330, 59.2836** is the 20% darker color. If you saturate the color by 10%, you get **56.6905, 68.3197, 104.8068**, and if you desaturate by 10%, it is **70.8288, 80.6938, 106.4501**.

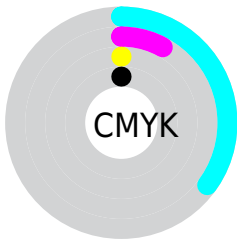
Distribution



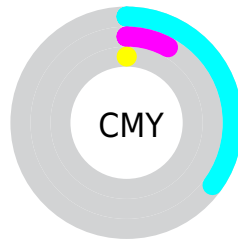
- Red (65%)
- Green (92%)
- Blue (100%)



- Red (65%)
- Yellow (80%)
- Blue (100%)



- Cyan (35%)
- Magenta (8%)
- Yellow (0%)
- Black (0%)



- Cyan (35%)
- Magenta (8%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.1987, 74.1726, 105.5936 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 63.1987, 74.1726, 105.5936 by changing the saturation by 10% instead.

63.1987, 74.1726,
105.5936

63.1987, 74.1726,
105.5936

425.9385,
475.0689, 599.3804

46.2612, 54.9353,
80.3373

108.5363,
125.1405, 170.9417

32.6575, 39.3499,
59.4682

137.6672,
157.6398, 211.8707

22.0222, 27.0321,
42.5676

171.5932,
195.3286, 258.8609

13.9899, 17.5973,
29.2171

210.6798,
238.5914, 312.3310

8.1953, 10.6613,
18.9981

255.2922,
287.8123, 372.6994

4.2730, 5.8395,
11.4921

305.7959,

1.8577, 2.7478,

343.3760, 440.3848

6.2806

362.5562,
405.6667, 515.8056

■ 0.5521, 1.0015,
2.9449

■ 0.0000, 0.0000,
1.0666

■ 63.1987, 74.1726,
105.5936

■ 63.1987, 74.1726,
105.5936

■ 56.6905, 68.3197,
104.8068

■ 70.8288, 80.6938,
106.4501

■ 51.2347, 63.0929,
104.0855

■ 79.6332, 87.9058,
107.3781

■ 46.7630, 58.4582,
103.4266

■ 89.6679, 95.8400,
108.3807

■ 43.1965, 54.3739,
102.8263

95.0500, 100.0000,
108.9000

■ 40.4430, 50.7916,
102.2799

■ 38.3892, 47.6520,
101.7822

■ 37.5294, 46.1788,
101.5431

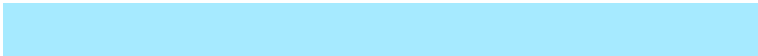
Harmonies

Analogous

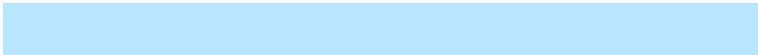
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



60.5043, 74.1726, 89.8612



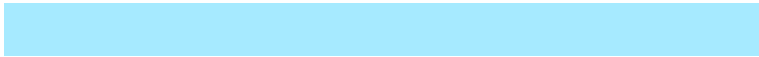
63.1987, 74.1726, 105.5936



67.9310, 74.1726, 115.2002

Triad

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



63.1987, 74.1726, 105.5936



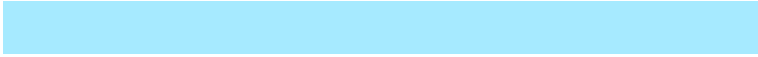
81.6750, 74.1726, 88.4376



67.4780, 74.1726, 54.2505

Complementary

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



63.1987, 74.1726, 105.5936



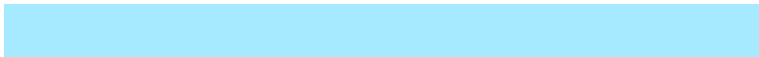
65.8936, 59.5539, 44.1004

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.



73.1305, 74.1726, 53.9770



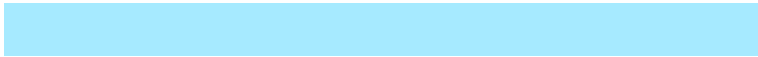
63.1987, 74.1726, 105.5936



81.5376, 74.1726, 72.2976

Square

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



63.1987, 74.1726, 105.5936



78.7066, 74.1726, 104.4312



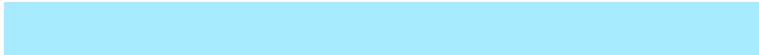
78.3405, 74.1726, 60.1636



62.8825, 74.1726, 60.9690

Rectangle

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



63.1987, 74.1726, 105.5936



71.6993, 74.1726, 116.1022



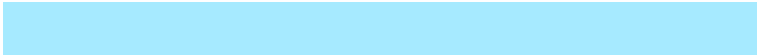
78.3405, 74.1726, 60.1636



69.3118, 74.1726, 53.4361

Sweetspot

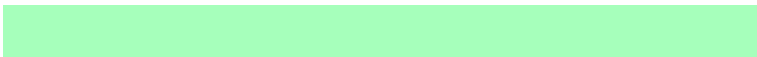
The Sweet Spot groups the original color and five complimentary colors.



63.2007, 74.1754, 105.5940



84.3936, 91.7019, 107.8600



60.4317, 83.2054, 59.7597



17.7649, 19.3911, 23.0565



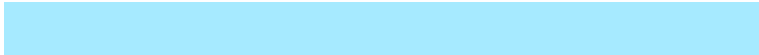
0.0000, 0.0000, 0.0000



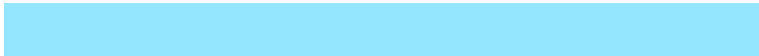
20.3446, 21.4041, 23.3091

Same Dimension

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



63.2007, 74.1754, 105.5940



58.4672, 69.9518, 105.0282



52.1331, 52.0402, 101.9048



18.1703, 19.7122, 23.0971



19.7305, 24.3706, 53.0987



2.0045, 2.5398, 5.1978

Inverse Universe

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



69.7288, 54.4746, 84.6846



66.0597, 48.1066, 80.4703



76.7742, 81.3151, 47.7273



18.5986, 18.2228, 21.7694



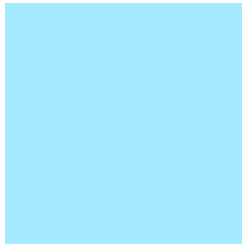
26.7473, 13.1882, 28.3832



2.6464, 1.3009, 2.9854

Previews

White Background



This preview shows how the XYZ color 63.1987, 74.1726, 105.5936 looks on a white background.

Color Contrast Check

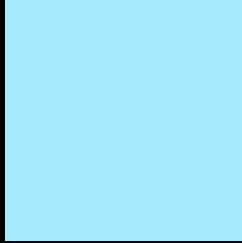
Large Text (above 18pt) WCAG AA × Fail

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 63.1987, 74.1726, 105.5936 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 63.1987, 74.1726, 105.5936

Background



This preview shows how black text looks on a background with the XYZ color 63.1987, 74.1726, 105.5936.

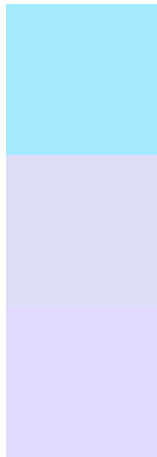


This preview shows how white text looks on a background with the XYZ color 63.1987, 74.1726,

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

63.1987, 74.1726, 105.5936

Protanopia

72.1602, 73.6439, 98.4071

Deuteranopia

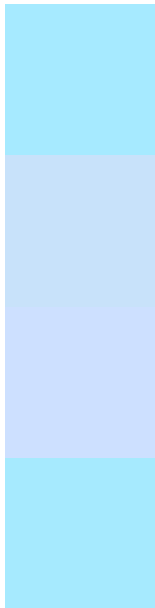
74.8000, 73.6937, 104.8897



Tritanopia

62.8783, 74.0445, 103.9065

Trichromacy



Original Color

63.1987, 74.1726, 105.5936

Protanomaly

68.2711, 73.5742, 101.0454

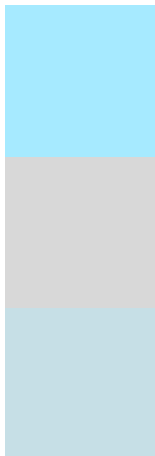
Deuteranomaly

69.8825, 73.5104, 105.1135

Tritanomaly

63.0381, 74.1084, 104.7478

Monochromacy



Original Color

63.1987, 74.1726, 105.5936

Achromatopsia

65.2694, 68.6685, 74.7800

Achromatomaly

63.9593, 70.4943, 85.0987

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.1987, 74.1726, 105.5936 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, 234, 255)` looks like.

```
.text, #text, p{  
    color:rgb(166, 234, 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, 234, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 234, 255) }
```

Border

The CSS property to change the border of an element to XYZ 63.1987, 74.1726, 105.5936 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, 234, 255) }
```


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

```
.border{ border-color:rgb(166, 234, 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, 234, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 234, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 234, 255);  
box-shadow:4px 4px 4px 4px rgb(166, 234,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 63.1987, 74.1726, 105.5936 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 234, 255) }
```

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

```
.background{ background-color: rgb(166,  
234, 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