

Converting Colors

XYZ(63.3194, 70.3329,
104.8461)

Have a look what the booklet for
XYZ(63.3194, 70.3329, 104.8461)
contains.

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Color

**XYZ(63.5656, 70.6541,
104.8951)**

Conversions

Conversions Part 1

Format	Color
Hex	B3E1FF
RGB	179, 225, 255
RGB Percent	70%, 88%, 100%
CMY	0.2980, 0.1176, 0.0000
CMYK	0.30, 0.12, 0.00, 0.00
HSL	204°, 100%, 85%
HSV	204°, 30%, 100%
XYZ	63.5656, 70.6541, 104.8951
YIQ	214.6660, -37.0460, -0.4220

Conversions

Conversions Part 2

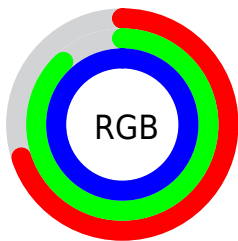
Format	Color
R _Y B	179, 208, 255
Decimal	11788799
CIE Lab	87.32, -8.08, -19.40
CIE LCh	87, 21.011, 247.386
Yxy	70.6541, 0.2658, 0.2955
Android (android.graphics.Color)	4289978879 (0xFFB3E1FF)
YUV	214.6660, 19.8847, -31.2791
Hunter-Lab	84.0560, -12.1111, -15.1499

Details

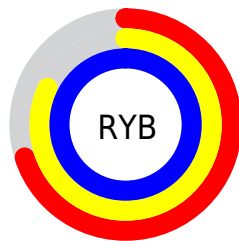
The XYZ color **63.5656, 70.6541, 104.8951** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **72.1773, 70.1154, 52.3791**, and the grayscale version is **64.2550, 67.6012, 73.6177**.

A 20% lighter version of the original color is **88.4021, 96.5729, 108.5889**, and **32.8799, 37.1118, 58.8564** is the 20% darker color. If you saturate the color by 10%, you get **55.5671, 62.6114, 103.7643**, and if you desaturate by 10%, it is **72.8182, 79.5848, 106.1312**.

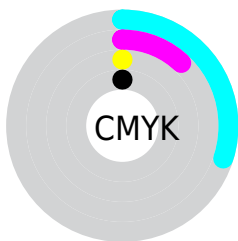
Distribution



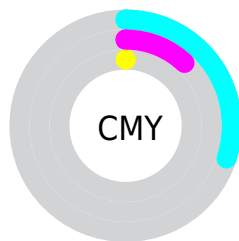
- Red (70%)
- Green (88%)
- Blue (100%)



- Red (70%)
- Yellow (82%)
- Blue (100%)



- Cyan (30%)
- Magenta (12%)
- Yellow (0%)
- Black (0%)



- Cyan (30%)
- Magenta (12%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.5656, 70.6541, 104.8951 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 63.5656, 70.6541, 104.8951 by changing the saturation by 10% instead.

63.5656, 70.6541,
104.8951

63.5656, 70.6541,
104.8951

427.2464,
462.8433, 597.1556

46.5593, 52.0600,
79.7553

109.0623,
120.1411, 169.9784

32.8939, 37.0529,
58.9920

138.2835,
151.8027, 210.7590

22.2040, 25.2484,
42.1867

172.3069,
188.5890, 257.5902

14.1243, 16.2622,
28.9209

211.4980,
230.8842, 310.8907

8.2895, 9.7099,
18.7759

256.2222,
279.0729, 371.0789

4.3341, 5.2070,
11.3333

306.8447,

1.8928, 2.3693,

333.5394, 438.5735

6.1745

363.7310,
394.6681, 513.7928

■ 0.5727, 0.8100,
2.8810

■ 0.0000, 0.0000,
1.0342

■ 63.5656, 70.6541,
104.8951

■ 63.5656, 70.6541,
104.8951

■ 55.5671, 62.6114,
103.7643

■ 72.8182, 79.5848,
106.1312

■ 48.7539, 55.4121,
102.7337

■ 83.3772, 89.4294,
107.4749

■ 43.0592, 49.0193,
101.7999

95.0500, 100.0000,
108.9000

■ 38.4065, 43.3892,
100.9585

■ 34.7085, 38.4725,
100.2043

■ 31.8619, 34.2113,
99.5319

■ 29.7030, 30.5165,
98.9325

■ 29.6637, 30.4475,
98.9212

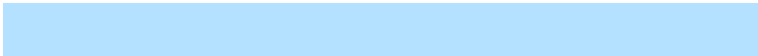
Harmonies

Analogous

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



59.8817, 70.6541, 94.6713



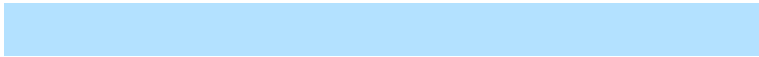
63.5656, 70.6541, 104.8951



68.3840, 70.6541, 107.2076

Triad

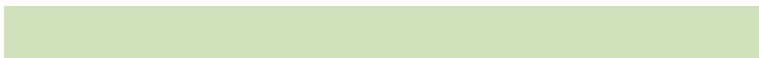
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



63.5656, 70.6541, 104.8951



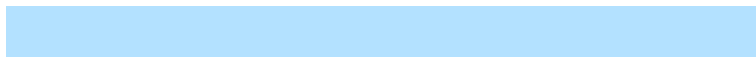
77.0289, 70.6541, 73.4835



61.5469, 70.6541, 57.2644

Complementary

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



63.5656, 70.6541, 104.8951



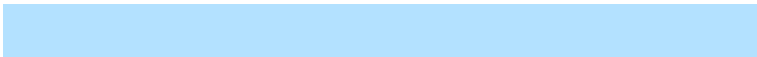
72.1773, 70.1154, 52.3791

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.



65.9400, 70.6541, 52.9687



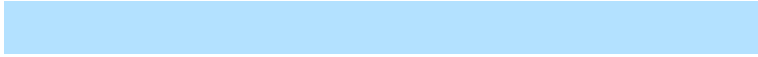
63.5656, 70.6541, 104.8951



74.9937, 70.6541, 61.5569

Square

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



63.5656, 70.6541, 104.8951



76.3167, 70.6541, 87.8796



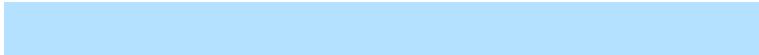
70.8762, 70.6541, 54.4378



58.7568, 70.6541, 66.9305

Rectangle

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



63.5656, 70.6541, 104.8951



71.6225, 70.6541, 103.7215



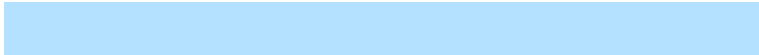
70.8762, 70.6541, 54.4378



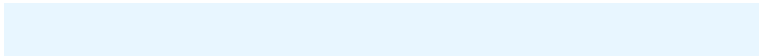
62.8765, 70.6541, 55.2021

Sweetspot

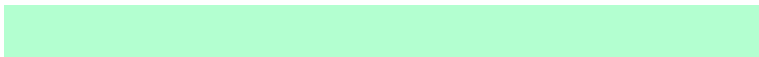
The Sweet Spot groups the original color and five complimentary colors.



63.5675, 70.6568, 104.8955



84.2830, 90.2602, 107.5875



65.7530, 85.6649, 72.8313



17.6899, 18.9980, 22.9846



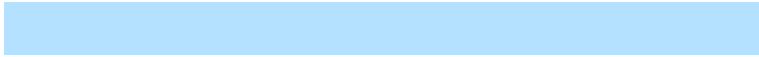
0.0000, 0.0000, 0.0000



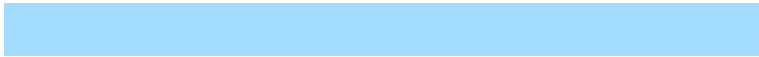
20.3446, 21.4041, 23.3091

Same Dimension

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



63.5675, 70.6568, 104.8955



58.4659, 65.5690, 104.1823



54.5966, 52.7149, 101.9052



17.9179, 19.2075, 23.0130



15.6497, 16.2090, 51.7384



1.6304, 1.7914, 5.0731

Inverse Universe

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



70.9520, 58.9380, 78.8738



67.1282, 52.6277, 73.4770



82.3735, 90.5077, 55.7778



18.4712, 18.1718, 21.0986



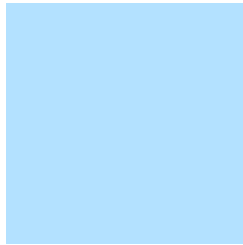
24.6874, 12.3643, 17.5364



2.4575, 1.2254, 1.9908

Previews

White Background



This preview shows how the XYZ color 63.5656, 70.6541, 104.8951 looks on a white background.

Color Contrast Check

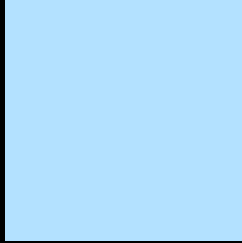
Large Text (above 18pt) WCAG AA × Fail

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 63.5656, 70.6541, 104.8951 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

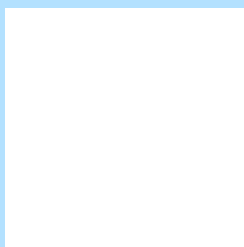
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 63.5656, 70.6541, 104.8951

Background



This preview shows how black text looks on a background with the XYZ color 63.5656, 70.6541, 104.8951.

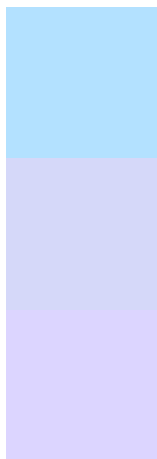


This preview shows how white text looks on a background with the XYZ color 63.5656, 70.6541,

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

63.5656, 70.6541, 104.8951

Protanopia

69.0953, 70.0974, 99.5110

Deuteranopia

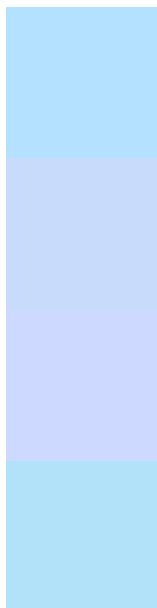
71.3594, 70.0241, 104.3627



Tritanopia

62.0820, 70.8779, 96.7949

Trichromacy



Original Color

63.5656, 70.6541, 104.8951

Protanomaly

66.8315, 70.0456, 101.2645

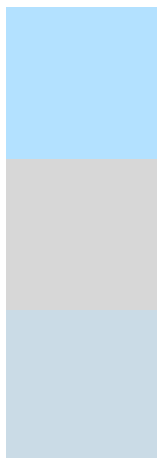
Deuteranomaly

68.0397, 69.8248, 104.4992

Tritanomaly

62.6553, 70.6972, 99.9662

Monochromacy



Original Color

63.5656, 70.6541, 104.8951

Achromatopsia

64.5905, 67.9542, 74.0022

Achromatomaly

63.9716, 68.9328, 84.7966

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.5656, 70.6541, 104.8951 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(179, 225, 255)` looks like.

```
.text, #text, p{  
    color:rgb(179, 225, 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(179, 225, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 225, 255) }
```

Border

The CSS property to change the border of an element to XYZ 63.5656, 70.6541, 104.8951 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(179, 225, 255) }
```


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

```
.border{ border-color:rgb(179, 225, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 225, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 225, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 225, 255);  
box-shadow:4px 4px 4px 4px rgb(179, 225,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 63.5656, 70.6541, 104.8951 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 225, 255) }
```

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

```
.background{ background-color: rgb(179,  
225, 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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