

# Converting Colors

XYZ(56.9601, 63.0264,  
103.7709)

Have a look what the booklet for  
XYZ(56.9601, 63.0264, 103.7709)  
contains.

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# Color

**XYZ(56.9969, 62.9945,  
103.7628)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A2D6FF
RGB	162, 214, 255
RGB Percent	64%, 84%, 100%
CMY	0.3647, 0.1608, 0.0000
CMYK	0.36, 0.16, 0.00, 0.00
HSL	206°, 100%, 82%
HSV	206°, 36%, 100%
XYZ	56.9969, 62.9945, 103.7628
YIQ	203.1260, -44.1530, 1.7270

# Conversions

## Conversions Part 2

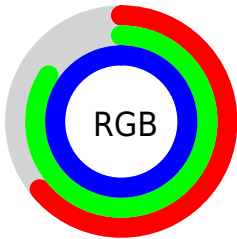
Format	Color
R <sub>Y</sub> B	162, 195, 255
Decimal	10671871
CIE Lab	83.44, -6.98, -25.37
CIE LCh	83, 26.310, 254.617
Yxy	62.9945, 0.2547, 0.2815
Android (android.graphics.Color)	4288861951 (0xFFA2D6FF)
YUV	203.1260, 25.5739, -36.0675
Hunter-Lab	79.3691, -10.7106, -21.9542

# Details

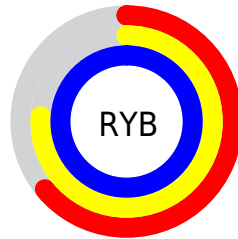
The XYZ color **56.9969, 62.9945, 103.7628** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **69.1181, 66.5810, 43.3930**, and the grayscale version is **56.7098, 59.6631, 64.9731**.

A 20% lighter version of the original color is **83.0234, 93.8001, 108.3372**, and **28.6546, 31.9993, 58.0923** is the 20% darker color. If you saturate the color by 10%, you get **49.5853, 55.0962, 102.6290**, and if you desaturate by 10%, it is **65.6587, 71.8316, 105.0120**.

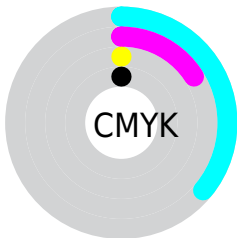
# Distribution



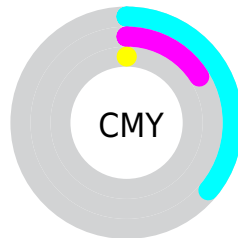
- Red (64%)
- Green (84%)
- Blue (100%)



- Red (64%)
- Yellow (76%)
- Blue (100%)



- Cyan (36%)
- Magenta (16%)
- Yellow (0%)
- Black (0%)



- Cyan (36%)
- Magenta (16%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 56.9969, 62.9945, 103.7628 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 56.9969, 62.9945, 103.7628 by changing the saturation by 10% instead.



■ 56.9969, 62.9945,  
103.7628

■ 56.9969, 62.9945,  
103.7628

403.4521,  
435.5495, 593.5398

■ 41.2429, 45.8368,  
78.8124

■ 99.5920, 109.1616,  
168.4154

■ 28.6974, 32.1170,  
58.2212

■ 127.1639,  
138.9397, 208.9547

■ 18.9952, 21.4509,  
41.5706

159.4057,  
173.6934, 255.5273

■ 11.7708, 13.4540,  
28.4421

196.6829,  
213.8071, 308.5518

■ 6.6589, 7.7419,  
18.4173

239.3607,  
259.6652, 368.4468

■ 3.2941, 3.9302,  
11.0775

287.8047,

■ 1.3111, 1.6346,

311.6520, 435.6308

6.0041

342.3800,  
370.1520, 510.5222

■ 0.1915, 0.3808,  
2.7788

■ 0.0000, 0.0000,  
0.9828

■ 56.9969, 62.9945,  
103.7628

■ 56.9969, 62.9945,  
103.7628

■ 49.5853, 55.0962,  
102.6290

■ 65.6587, 71.8316,  
105.0120

■ 43.3507, 48.0890,  
101.6050

■ 75.6276, 81.6383,  
106.3795

■ 38.2200, 41.9304,  
100.6867

■ 86.9634, 92.4523,  
107.8694

■ 34.1088, 36.5708,  
99.8689

95.0500, 100.0000,  
108.9000

■ 30.9186, 31.9530,  
99.1457

■ 28.5274, 28.0074,  
98.5102

■ 27.8103, 26.7407,  
98.3034

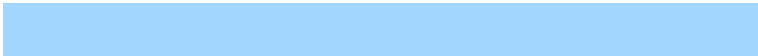
# Harmonies

## Analogous

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



52.3639, 62.9945, 93.2450



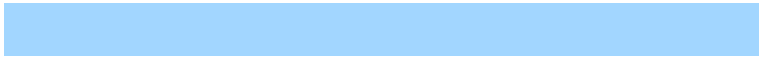
56.9969, 62.9945, 103.7628



62.7001, 62.9945, 103.9069

# Triad

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



56.9969, 62.9945, 103.7628



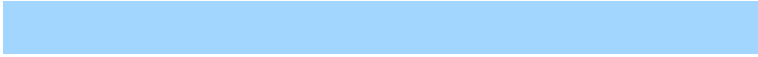
71.1895, 62.9945, 60.9264



52.4594, 62.9945, 48.4790

# Complementary

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



56.9969, 62.9945, 103.7628



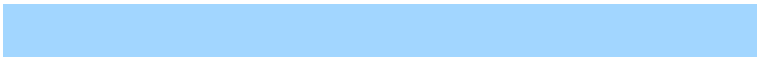
69.1181, 66.5810, 43.3930

# 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.



57.1349, 62.9945, 42.3479



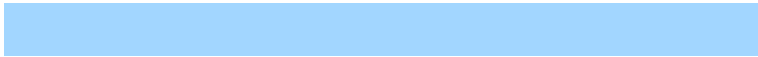
56.9969, 62.9945, 103.7628



68.0707, 62.9945, 48.7164

# Square

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



56.9969, 62.9945, 103.7628



71.1467, 62.9945, 77.3125



62.8471, 62.9945, 42.4272

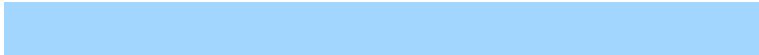


49.8604, 62.9945, 60.5501



# Rectangle

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



56.9969, 62.9945, 103.7628



66.3589, 62.9945, 97.9972



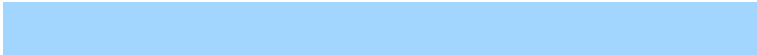
62.8471, 62.9945, 42.4272



53.8267, 62.9945, 45.7472

# Sweetspot

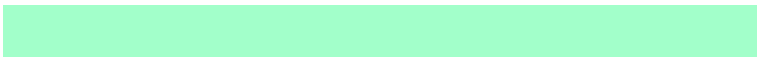
The Sweet Spot groups the original color and five complimentary colors.



56.9987, 62.9969, 103.7632



81.6541, 87.4253, 107.1789



61.3577, 83.4805, 68.9446



17.1493, 18.3994, 22.8975



0.0000, 0.0000, 0.0000

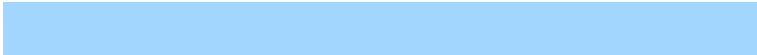


20.3446, 21.4041, 23.3091

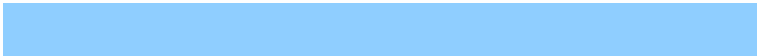


# Same Dimension

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



56.9987, 62.9969, 103.7632



51.3032, 56.9621, 102.8986



46.9916, 42.9826, 100.4275



17.8456, 19.0627, 22.9889



14.6829, 14.2753, 51.4161



1.5385, 1.6078, 5.0425



# Inverse Universe

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



66.2992, 51.9575, 70.1553



62.1169, 45.2787, 63.5642



81.5760, 91.4968, 47.5456



18.4347, 18.1572, 20.9062



24.1994, 12.1691, 14.9665

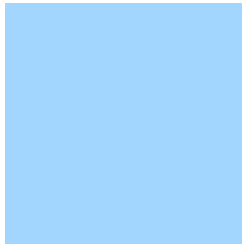


2.4112, 1.2069, 1.7467



# Previews

## White Background



This preview shows how the XYZ color 56.9969, 62.9945, 103.7628 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

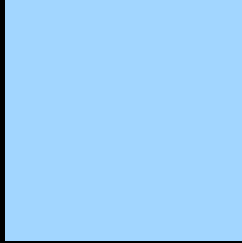
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 56.9969, 62.9945, 103.7628 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

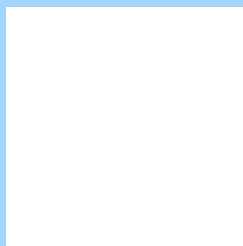
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 56.9969, 62.9945, 103.7628

## Background



This preview shows how black text looks on a background with the XYZ color 56.9969, 62.9945, 103.7628.



This preview shows how white text looks on a background with the XYZ color 56.9969, 62.9945,



# 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

56.9969, 62.9945, 103.7628

### Protanopia

62.2189, 62.5080, 98.4085

### Deuteranopia

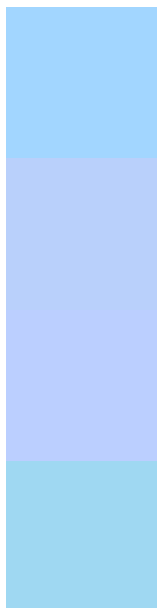
63.7631, 62.4884, 103.3085



## Tritanopia

53.7129, 62.7920, 87.8864

# Trichromacy



## Original Color

56.9969, 62.9945, 103.7628

## Protanomaly

59.9760, 62.3911, 100.1484

## Deuteranomaly

60.8563, 62.4104, 103.4467

## Tritanomaly

54.8810, 62.8935, 93.2515

# Monochromacy



## Original Color

56.9969, 62.9945, 103.7628

## Achromatopsia

56.7640, 59.7202, 65.0353

## Achromatomaly

56.2367, 60.5909, 77.8385

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 56.9969, 62.9945, 103.7628 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(162, 214, 255)` looks like.

```
.text, #text, p{  
    color:rgb(162, 214, 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(162, 214, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 214, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 56.9969, 62.9945, 103.7628 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(162, 214, 255) }
```



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

```
.border{ border-color:rgb(162, 214, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 214, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 214, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 214, 255);  
box-shadow:4px 4px 4px 4px rgb(162, 214,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 56.9969, 62.9945, 103.7628 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 214, 255) }
```

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

```
.background{ background-color: rgb(162,  
214, 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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