

Converting Colors

XYZ(62.3556, 69.6971,
104.7706)

Have a look what the booklet for
XYZ(62.3556, 69.6971, 104.7706)
contains.

XYZ(62.3849, 69.6453, 104.7626)	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(62.3849, 69.6453,
104.7626)**

Conversions

Conversions Part 1

Format	Color
Hex	AFE0FF
RGB	175, 224, 255
RGB Percent	69%, 88%, 100%
CMY	0.3137, 0.1216, 0.0000
CMYK	0.31, 0.12, 0.00, 0.00
HSL	203°, 100%, 84%
HSV	203°, 31%, 100%
XYZ	62.3849, 69.6453, 104.7626
YIQ	212.8830, -39.1550, -0.7470

Conversions

Conversions Part 2

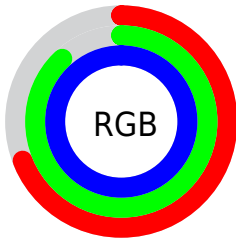
Format	Color
RYB	175, 205, 255
Decimal	11526399
CIELab	86.82, -8.67, -20.16
CIELCh	87, 21.951, 246.725
Yxy	69.6453, 0.2635, 0.2941
Android (android.graphics.Color)	4289716479 (0xFFAFE0FF)
YUV	212.8830, 20.7637, -33.2234
Hunter-Lab	83.4538, -12.6085, -16.0113

Details

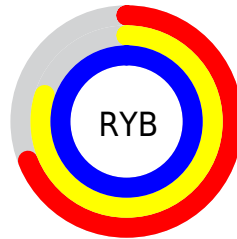
The XYZ color **62.3849, 69.6453, 104.7626** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **71.0494, 68.4977, 50.0361**, and the grayscale version is **63.0538, 66.3375, 72.2415**.

A 20% lighter version of the original color is **87.0887, 95.8958, 108.5274**, and **32.1267, 36.4462, 58.7676** is the 20% darker color. If you saturate the color by 10%, you get **54.6145, 61.8129, 103.6603**, and if you desaturate by 10%, it is **71.3942, 78.3488, 105.9677**.

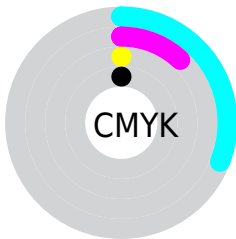
Distribution



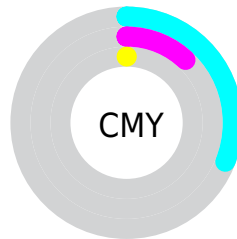
- Red (69%)
- Green (88%)
- Blue (100%)



- Red (69%)
- Yellow (80%)
- Blue (100%)



- Cyan (31%)
- Magenta (12%)
- Yellow (0%)
- Black (0%)



- Cyan (31%)
- Magenta (12%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 62.3849, 69.6453, 104.7626 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 62.3849, 69.6453, 104.7626 by changing the saturation by 10% instead.

62.3849, 69.6453,
104.7626

62.3849, 69.6453,
104.7626

423.0289,
459.3036, 596.7331

45.6006, 51.2374,
79.6449

107.3684,
118.7028, 169.7956

32.1340, 36.3976,
58.9018

136.2983,
150.1212, 210.5480

21.6199, 24.7414,
42.1146

170.0074,
186.6452, 257.3490

13.6929, 15.8845,
28.8648

208.8612,
228.6593, 310.6173

7.9877, 9.4425,
18.7338

253.2248,
276.5477, 370.7713

4.1388, 5.0309,
11.3033

303.4637,

1.7810, 2.2654,

330.6950, 438.2295

6.1545

359.9433,
391.4855, 513.4106

■ 0.5062, 0.7553,
2.8689

■ 0.0000, 0.0000,
1.0281

■ 62.3849, 69.6453,
104.7626

■ 62.3849, 69.6453,
104.7626

■ 54.6145, 61.8129,
103.6603

■ 71.3942, 78.3488,
105.9677

■ 48.0135, 54.8069,
102.6560

■ 81.6952, 87.9494,
107.2779

■ 42.5142, 48.5902,
101.7458

■ 93.3448, 98.4816,
108.6968

■ 38.0389, 43.1185,
100.9256

■ 95.0500, 100.0000,
108.9000

■ 34.4983, 38.3417,
100.1902

■ 31.7860, 34.2007,
99.5338

■ 29.9714, 31.0628,
99.0238

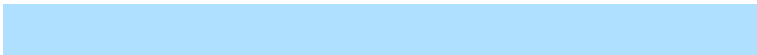
Harmonies

Analogous

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



58.6213, 69.6453, 93.9538



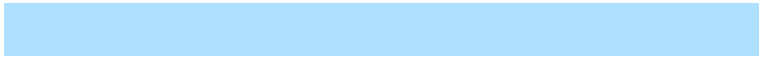
62.3849, 69.6453, 104.7626



67.3543, 69.6453, 107.3873

Triad

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



62.3849, 69.6453, 104.7626



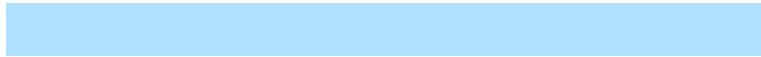
76.4520, 69.6453, 72.5808



60.4868, 69.6453, 55.4212

Complementary

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



62.3849, 69.6453, 104.7626



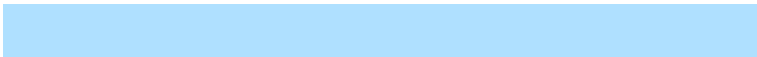
71.0494, 68.4977, 50.0361

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.



65.0506, 69.6453, 51.1564



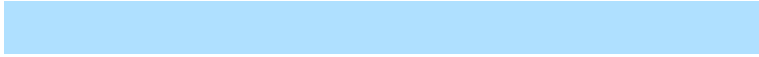
62.3849, 69.6453, 104.7626



74.3962, 69.6453, 60.2043

Square

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



62.3849, 69.6453, 104.7626



75.6482, 69.6453, 87.5158



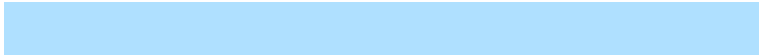
70.1588, 69.6453, 52.7876



57.5655, 69.6453, 65.2371

Rectangle

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



62.3849, 69.6453, 104.7626



70.7182, 69.6453, 103.8760



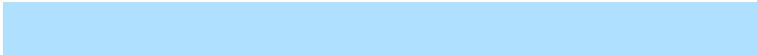
70.1588, 69.6453, 52.7876



61.8704, 69.6453, 53.3526

Sweetspot

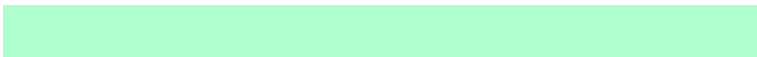
The Sweet Spot groups the original color and five complimentary colors.



62.3868, 69.6480, 104.7630



84.3335, 90.3612, 107.6044



64.5404, 85.0746, 71.2013



17.7024, 19.0229, 22.9887



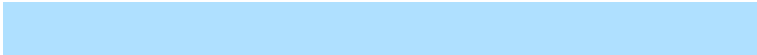
0.0000, 0.0000, 0.0000



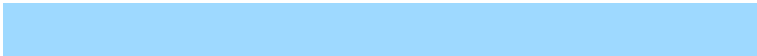
20.3446, 21.4041, 23.3091

Same Dimension

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



62.3868, 69.6480, 104.7630



57.1004, 64.3596, 104.0209



52.9406, 50.7554, 101.6143



17.9293, 19.2302, 23.0168



15.8100, 16.5295, 51.7918



1.6454, 1.8216, 5.0781

Inverse Universe

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



70.0258, 57.3035, 77.8939



66.0675, 50.7813, 72.2757



81.8328, 90.0645, 53.6305



18.4770, 18.1741, 21.1289



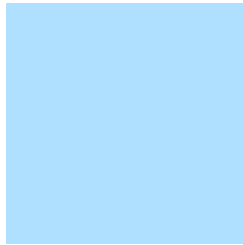
24.7683, 12.3966, 17.9624



2.4652, 1.2284, 2.0309

Previews

White Background



This preview shows how the XYZ color 62.3849, 69.6453, 104.7626 looks on a white background.

Color Contrast Check

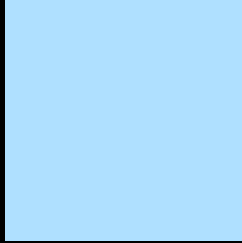
Large Text (above 18pt) WCAG AA × Fail

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 62.3849, 69.6453, 104.7626 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

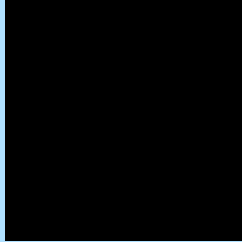
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

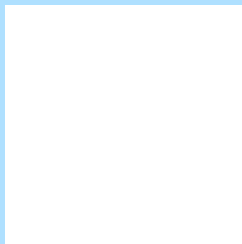
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 62.3849, 69.6453, 104.7626

Background



This preview shows how black text looks on a background with the XYZ color 62.3849, 69.6453, 104.7626.

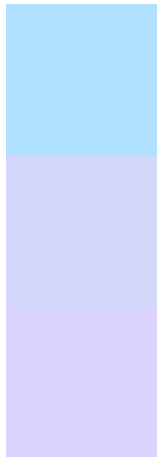


This preview shows how white text looks on a background with the XYZ color 62.3849, 69.6453,

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

62.3849, 69.6453, 104.7626

Protanopia

68.2633, 69.2893, 99.3988

Deuteranopia

70.5069, 69.2124, 104.2510



Tritanopia

60.5387, 69.6950, 95.8497

Trichromacy



Original Color

62.3849, 69.6453, 104.7626

Protanomaly

65.7727, 69.1136, 101.1405

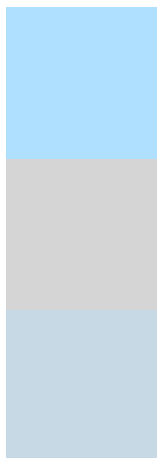
Deuteranomaly

66.9630, 68.8883, 104.3752

Tritanomaly

61.1021, 69.5120, 99.0037

Monochromacy



Original Color

62.3849, 69.6453, 104.7626

Achromatopsia

63.2451, 66.5387, 72.4607

Achromatomaly

62.3696, 67.3693, 83.1151

CSS Examples

Text

The CSS property to change the color of the text to XYZ 62.3849, 69.6453, 104.7626 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(175, 224, 255)` looks like.

```
.text, #text, p{  
    color:rgb(175, 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(175, 224, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 224, 255) }
```

Border

The CSS property to change the border of an element to XYZ 62.3849, 69.6453, 104.7626 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(175, 224, 255) }
```


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

```
.border{ border-color:rgb(175, 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(175, 224, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 224, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 224, 255);  
box-shadow:4px 4px 4px 4px rgb(175, 224,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 62.3849, 69.6453, 104.7626 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 224, 255) }
```

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

```
.background{ background-color: rgb(175,  
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