

Converting Colors

XYZ(72.9636, 79.6957,
159.7841)

Have a look what the booklet for
XYZ(72.9636, 79.6957, 159.7841)
contains.

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Color

**XYZ(62.7251, 75.6382,
105.9014)**

Conversions

Conversions Part 1

Format	Color
Hex	9EEEFF
RGB	158, 238, 255
RGB Percent	62%, 93%, 100%
CMY	0.3804, 0.0667, 0.0000
CMYK	0.38, 0.07, 0.00, 0.00
HSL	191°, 100%, 81%
HSV	191°, 38%, 100%
XYZ	62.7251, 75.6382, 105.9014
YIQ	216.0180, -53.1370, -11.6730

Conversions

Conversions Part 2

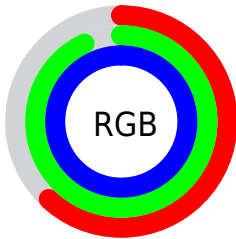
Format	Color
R_{YB}	158, 202, 255
Decimal	10415871
CIE _{Lab}	89.69, -20.25, -15.93
CIE _{LCh}	90, 25.765, 218.194
Yxy	75.6382, 0.2568, 0.3097
Android (android.graphics.Color)	4288605951 (0xFF9EEEFF)
YUV	216.0180, 19.2181, -50.8818
Hunter-Lab	86.9702, -23.4592, -11.3167

Details

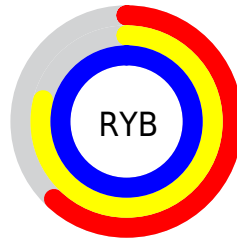
The XYZ color **62.7251, 75.6382, 105.9014** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **62.7419, 54.3887, 39.5409**, and the grayscale version is **65.1835, 68.5781, 74.6816**.

A 20% lighter version of the original color is **82.1289, 93.3389, 108.2953**, and **32.2878, 40.2998, 59.5030** is the 20% darker color. If you saturate the color by 10%, you get **56.9357, 70.7481, 105.2627**, and if you desaturate by 10%, it is **69.5915, 81.1351, 106.6005**.

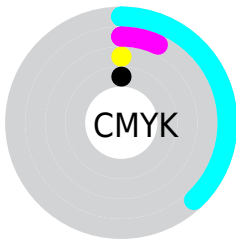
Distribution



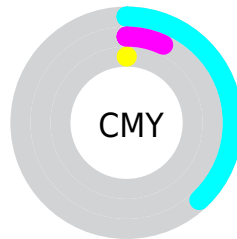
- Red (62%)
- Green (93%)
- Blue (100%)



- Red (62%)
- Yellow (79%)
- Blue (100%)



- Cyan (38%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)



- Cyan (38%)
- Magenta (7%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 62.7251, 75.6382, 105.9014 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 62.7251, 75.6382, 105.9014 by changing the saturation by 10% instead.

62.7251, 75.6382,
105.9014

62.7251, 75.6382,
105.9014

424.2467,
480.1083, 600.3595

45.8767, 56.1359,
80.5939

107.8569,
127.2154, 171.3660

32.3527, 40.3119,
59.6781

136.8709,
160.0590, 212.3602

21.7879, 27.7818,
42.7356

170.6708,
198.1185, 259.4204

13.8169, 18.1612,
29.3479

209.6220,
241.7783, 312.9650

8.0743, 11.0658,
19.0963

254.0899,
291.4228, 373.4127

4.1947, 6.1111,
11.5624

304.4397,

1.8129, 2.9128,

347.4364, 441.1820

6.3275

361.0368,
410.2034, 516.6914

■ 0.5254, 1.0864,
2.9733

■ 0.0000, 0.0000,
1.0810

■ 62.7251, 75.6382,
105.9014

■ 62.7251, 75.6382,
105.9014

■ 56.9357, 70.7481,
105.2627

■ 69.5915, 81.1351,
106.6005

■ 52.1520, 66.4223,
104.6798

■ 77.5883, 87.2611,
107.3615

■ 48.3038, 62.6260,
104.1499

■ 86.7725, 94.0479,
108.1874

■ 45.3089, 59.3164,
103.6689

95.0500, 100.0000,
108.9000

■ 43.0700, 56.4431,
103.2323

■ 41.4554, 53.9379,
102.8339

■ 41.1753, 53.4706,
102.7584

Harmonies

Analogous

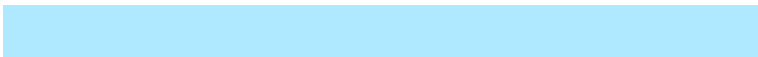
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



60.4817, 75.6382, 87.4374



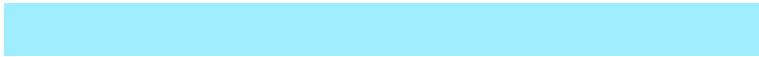
62.7251, 75.6382, 105.9014



67.4554, 75.6382, 119.2356

Triad

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



62.7251, 75.6382, 105.9014



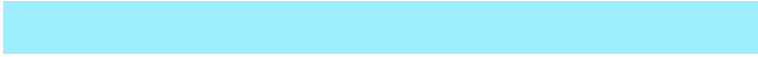
83.8221, 75.6382, 96.0271



70.1672, 75.6382, 52.3932

Complementary

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



62.7251, 75.6382, 105.9014



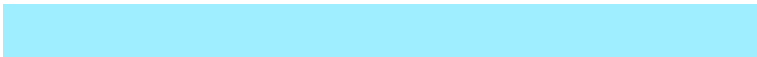
62.7419, 54.3887, 39.5409

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.



76.5187, 75.6382, 53.9943



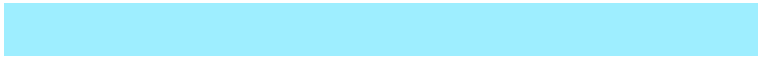
62.7251, 75.6382, 105.9014



84.6537, 75.6382, 77.4776

Square

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



62.7251, 75.6382, 105.9014



79.7010, 75.6382, 112.9761



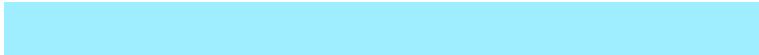
81.9108, 75.6382, 62.5899



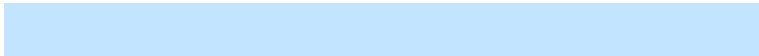
64.6102, 75.6382, 57.8399

Rectangle

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



62.7251, 75.6382, 105.9014



71.5082, 75.6382, 122.4406



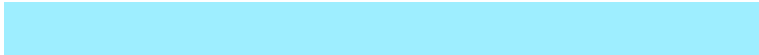
81.9108, 75.6382, 62.5899



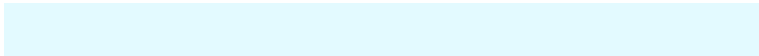
72.2769, 75.6382, 52.1426

Sweetspot

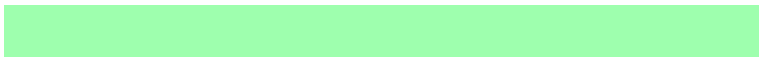
The Sweet Spot groups the original color and five complimentary colors.



62.7272, 75.6411, 105.9019



83.9248, 91.9668, 107.9358



57.5180, 81.8522, 52.8990



17.6921, 19.4851, 23.0785



0.0000, 0.0000, 0.0000



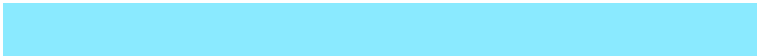
20.3446, 21.4041, 23.3091

Same Dimension

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



62.7272, 75.6411, 105.9019



58.0318, 71.6979, 105.3882



50.6377, 51.4622, 101.8721



18.2682, 19.9079, 23.1297



21.6139, 28.1373, 53.7265



2.1723, 2.8754, 5.2538

Inverse Universe

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



68.9008, 51.8885, 87.2762



65.2010, 45.3172, 83.4892



73.7110, 76.3269, 43.1973



18.6480, 18.2425, 22.0295



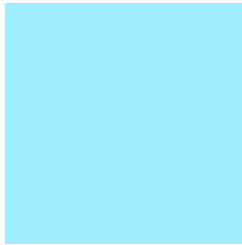
27.6979, 13.5684, 33.3891



2.7311, 1.3348, 3.4314

Previews

White Background



This preview shows how the XYZ color 62.7251, 75.6382, 105.9014 looks on a white background.

Color Contrast Check

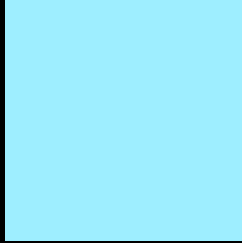
Large Text (above 18pt) WCAG AA × Fail

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 62.7251, 75.6382, 105.9014 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

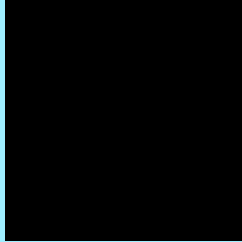
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 62.7251, 75.6382, 105.9014

Background



This preview shows how black text looks on a background with the XYZ color 62.7251, 75.6382, 105.9014.

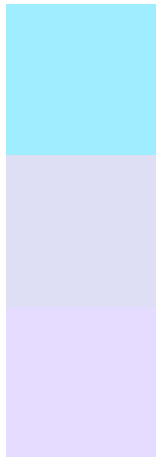


This preview shows how white text looks on a background with the XYZ color 62.7251, 75.6382,

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

62.7251, 75.6382, 105.9014

Protanopia

72.9933, 74.8975, 96.9957

Deuteranopia

75.9563, 75.0644, 105.0933



Tritanopia

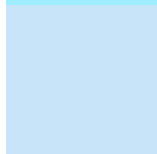
63.4384, 75.5749, 105.8516

Trichromacy



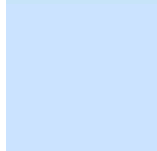
Original Color

62.7251, 75.6382, 105.9014



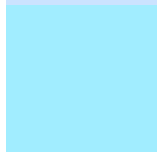
Protanomaly

68.3955, 74.4685, 100.3916



Deuteranomaly

70.1477, 74.8547, 105.3590



Tritanomaly

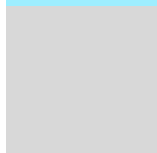
63.0321, 75.3654, 105.8326

Monochromacy



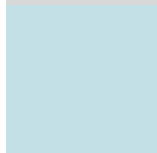
Original Color

62.7251, 75.6382, 105.9014



Achromatopsia

65.2694, 68.6685, 74.7800



Achromatomaly

63.4443, 70.6266, 85.1513

CSS Examples

Text

The CSS property to change the color of the text to XYZ 62.7251, 75.6382, 105.9014 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(158, 238, 255)` looks like.

```
.text, #text, p{  
    color:rgb(158, 238, 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(158, 238, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 238, 255) }
```

Border

The CSS property to change the border of an element to XYZ 62.7251, 75.6382, 105.9014 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(158, 238, 255) }
```


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

```
.border{ border-color:rgb(158, 238, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 238, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 238, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 238, 255);  
box-shadow:4px 4px 4px 4px rgb(158, 238,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 62.7251, 75.6382, 105.9014 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 238, 255) }
```

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

```
.background{ background-color: rgb(158,  
238, 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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