

Converting Colors

XYZ(62.9053, 75.5994,
105.8844)

Have a look what the booklet for
XYZ(62.9053, 75.5994, 105.8844)
contains.

XYZ(62.9226, 75.7400, 105.9107)	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(62.9226, 75.7400,
105.9107)**

Conversions

Conversions Part 1

Format	Color
Hex	9FEEFF
RGB	159, 238, 255
RGB Percent	62%, 93%, 100%
CMY	0.3765, 0.0667, 0.0000
CMYK	0.38, 0.07, 0.00, 0.00
HSL	191°, 100%, 81%
HSV	191°, 38%, 100%
XYZ	62.9226, 75.7400, 105.9107
YIQ	216.3170, -52.5410, -11.4610

Conversions

Conversions Part 2

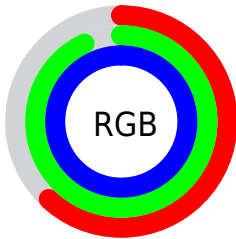
Format	Color
R_{YB}	159, 202, 255
Decimal	10481407
CIE _{Lab}	89.74, -20.00, -15.86
CIE _{LCh}	90, 25.520, 218.410
Yxy	75.7400, 0.2573, 0.3097
Android (android.graphics.Color)	4288671487 (0xFF9FEEFF)
YUV	216.3170, 19.0707, -50.2670
Hunter-Lab	87.0287, -23.2431, -11.2336

Details

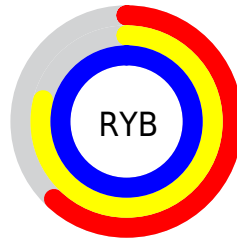
The XYZ color **62.9226, 75.7400, 105.9107** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **63.0237, 54.8140, 40.0612**, and the grayscale version is **65.3878, 68.7931, 74.9156**.

A 20% lighter version of the original color is **82.4253, 93.4917, 108.3092**, and **32.5145, 40.4167, 59.5136** is the 20% darker color. If you saturate the color by 10%, you get **57.0803, 70.8030, 105.2656**, and if you desaturate by 10%, it is **69.8449, 81.2863, 106.6163**.

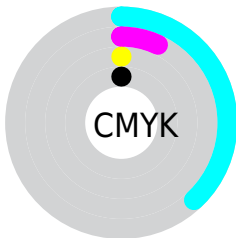
Distribution



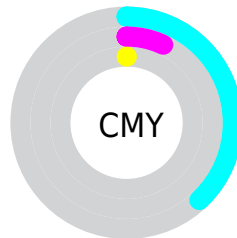
- Red (62%)
- Green (93%)
- Blue (100%)



- 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 62.9226, 75.7400, 105.9107 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 62.9226, 75.7400, 105.9107 by changing the saturation by 10% instead.

62.9226, 75.7400,
105.9107

62.9226, 75.7400,
105.9107

424.9527,
480.4572, 600.3890

46.0370, 56.2193,
80.6016

108.1403,
127.3593, 171.3789

32.4798, 40.3788,
59.6845

137.2031,
160.2268, 212.3750

21.8855, 27.8340,
42.7407

171.0557,
198.3119, 259.4373

13.8890, 18.2006,
29.3518

210.0634,
241.9992, 312.9842

8.1247, 11.0941,
19.0993

254.5916,
291.6729, 373.4343

4.2273, 6.1302,
11.5645

305.0056,

1.8315, 2.9244,

347.7176, 441.2061

6.3290

361.6709,
410.5176, 516.7181

■ 0.5365, 1.0924,
2.9741

■ 0.0000, 0.0000,
1.0814

■ 62.9226, 75.7400,
105.9107

■ 62.9226, 75.7400,
105.9107

■ 57.0803, 70.8030,
105.2656

■ 69.8449, 81.2863,
106.6163

■ 52.2472, 66.4331,
104.6769

■ 77.9005, 87.4643,
107.3842

■ 48.3532, 62.5955,
104.1414

■ 87.1464, 94.3055,
108.2174

■ 45.3164, 59.2477,
103.6553

95.0500, 100.0000,
108.9000

■ 43.0406, 56.3397,
103.2139

■ 41.3986, 53.8055,
102.8113

■ 41.0603, 53.2406,
102.7201

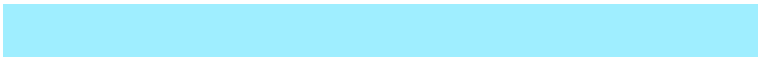
Harmonies

Analogous

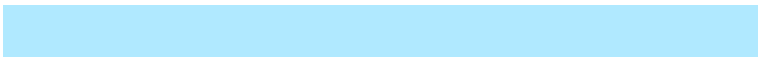
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



60.6763, 75.7400, 87.6379



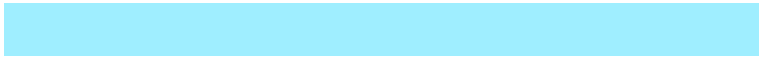
62.9226, 75.7400, 105.9107



67.6300, 75.7400, 119.0447

Triad

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



62.9226, 75.7400, 105.9107



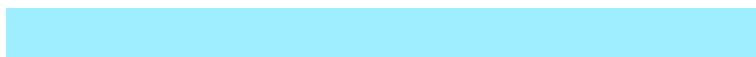
83.8286, 75.7400, 95.8790



70.2343, 75.7400, 52.7329

Complementary

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



62.9226, 75.7400, 105.9107



63.0237, 54.8140, 40.0612

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.



76.5305, 75.7400, 54.2747



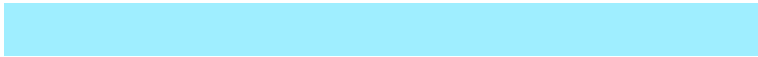
62.9226, 75.7400, 105.9107



84.6262, 75.7400, 77.5055

Square

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



62.9226, 75.7400, 105.9107



79.7661, 75.7400, 112.6911



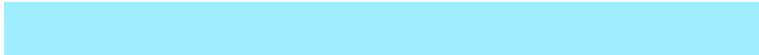
81.8861, 75.7400, 62.7680



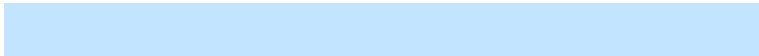
64.7338, 75.7400, 58.1982

Rectangle

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



62.9226, 75.7400, 105.9107



71.6537, 75.7400, 122.1578



81.8861, 75.7400, 62.7680



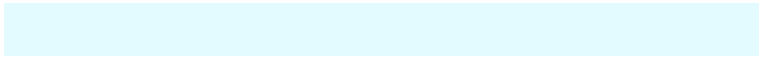
72.3246, 75.7400, 52.4668

Sweetspot

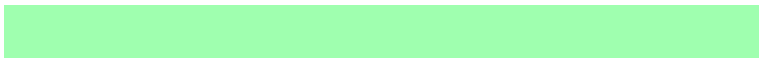
The Sweet Spot groups the original color and five complimentary colors.



62.9246, 75.7429, 105.9111



83.9089, 91.9350, 107.9305



57.7971, 81.9866, 53.3380



17.6883, 19.4775, 23.0772



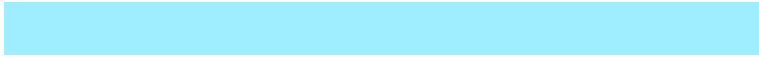
0.0000, 0.0000, 0.0000



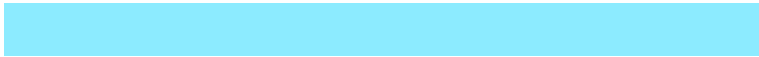
20.3446, 21.4041, 23.3091

Same Dimension

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



62.9246, 75.7429, 105.9111



58.5253, 72.0530, 105.4307



50.9803, 51.8541, 101.9296



18.2652, 19.9020, 23.1287



21.5545, 28.0186, 53.7067



2.1671, 2.8649, 5.2520

Inverse Universe

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



69.0721, 52.2310, 87.3332



65.6044, 46.0692, 83.7925



73.8864, 76.5394, 43.6821



18.6465, 18.2419, 22.0217



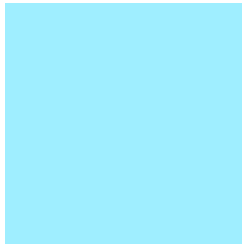
27.6679, 13.5565, 33.2314



2.7285, 1.3338, 3.4174

Previews

White Background



This preview shows how the XYZ color 62.9226, 75.7400, 105.9107 looks on a white background.

Color Contrast Check

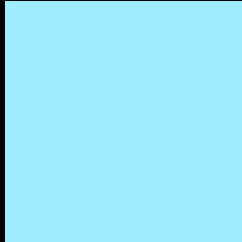
Large Text (above 18pt) WCAG AA × Fail

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 62.9226, 75.7400, 105.9107 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 62.9226, 75.7400, 105.9107

Background



This preview shows how black text looks on a background with the XYZ color 62.9226, 75.7400, 105.9107.

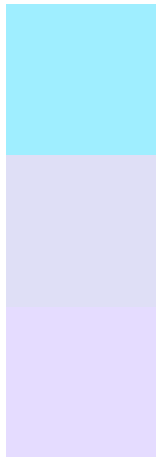


This preview shows how white text looks on a background with the XYZ color 62.9226, 75.7400,

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

62.9226, 75.7400, 105.9107

Protanopia

73.4537, 75.1171, 97.8164

Deuteranopia

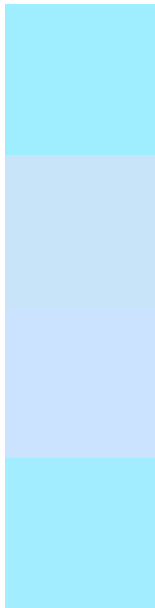
75.9563, 75.0644, 105.0933



Tritanopia

63.6440, 75.6809, 105.8612

Trichromacy



Original Color

62.9226, 75.7400, 105.9107

Protanomaly

68.6617, 74.6057, 100.4040

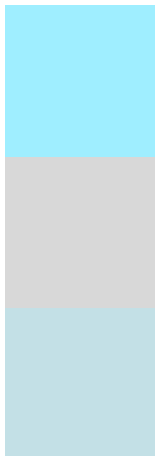
Deuteranomaly

70.4209, 74.9955, 105.3717

Tritanomaly

63.2345, 75.4698, 105.8421

Monochromacy



Original Color

62.9226, 75.7400, 105.9107

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 62.9226, 75.7400, 105.9107 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(159, 238, 255)` looks like.

```
.text, #text, p{  
    color:rgb(159, 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(159, 238, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 238, 255) }
```

Border

The CSS property to change the border of an element to XYZ 62.9226, 75.7400, 105.9107 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(159, 238, 255) }
```


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

```
.border{ border-color:rgb(159, 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(159, 238, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 238, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 238, 255);  
box-shadow:4px 4px 4px 4px rgb(159, 238,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 62.9226, 75.7400, 105.9107 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 238, 255) }
```

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

```
.background{ background-color: rgb(159,  
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](#).

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