

Converting Colors

XYZ(62.9479, 76.3222,
106.0217)

Have a look what the booklet for
XYZ(62.9479, 76.3222, 106.0217)
contains.

XYZ(62.8211, 76.1211, 105.9896)	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(62.8211, 76.1211,
105.9896)**

Conversions

Conversions Part 1

Format	Color
Hex	9DEFFF
RGB	157, 239, 255
RGB Percent	62%, 94%, 100%
CMY	0.3843, 0.0627, 0.0000
CMYK	0.38, 0.06, 0.00, 0.00
HSL	190°, 100%, 81%
HSV	190°, 38%, 100%
XYZ	62.8211, 76.1211, 105.9896
YIQ	216.3060, -54.0080, -12.4080

Conversions

Conversions Part 2

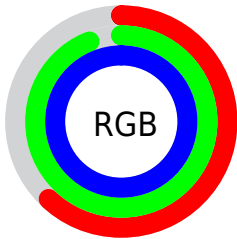
Format	Color
RYB	157, 202, 255
Decimal	10350591
CIELab	89.92, -20.99, -15.60
CIElCh	90, 26.156, 216.613
Yxy	76.1211, 0.2565, 0.3108
Android (android.graphics.Color)	4288540671 (0xFF9DEFFF)
YUV	216.3060, 19.0761, -52.0114
Hunter-Lab	87.2474, -24.1569, -10.9533

Details

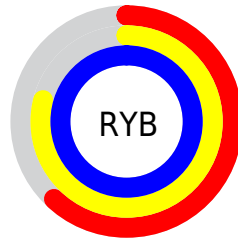
The XYZ color **62.8211, 76.1211, 105.9896** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **62.2697, 53.5815, 38.9604**, and the grayscale version is **65.3810, 68.7859, 74.9078**.

A 20% lighter version of the original color is **81.8343, 93.1871, 108.2815**, and **32.3821, 40.6535, 59.5663** is the 20% darker color. If you saturate the color by 10%, you get **57.1514, 71.4118, 105.3794**, and if you desaturate by 10%, it is **69.5611, 81.4275, 106.6586**.

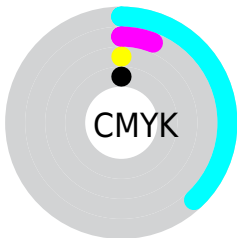
Distribution



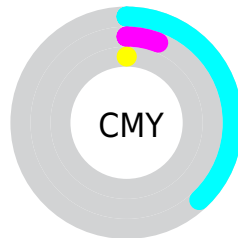
- Red (62%)
- Green (94%)
- Blue (100%)



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



- Cyan (38%)
- Magenta (6%)
- Yellow (0%)
- Black (0%)



- Cyan (38%)
- Magenta (6%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 62.8211, 76.1211, 105.9896 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 62.8211, 76.1211, 105.9896 by changing the saturation by 10% instead.

62.8211, 76.1211,
105.9896

62.8211, 76.1211,
105.9896

424.5899,
481.7621, 600.6398

45.9546, 56.5318,
80.6674

107.9946,
127.8981, 171.4876

32.4145, 40.6295,
59.7383

137.0324,
160.8546, 212.5005

21.8354, 28.0297,
42.7838

170.8579,
199.0355, 259.5806

13.8519, 18.3480,
29.3854

209.8366,
242.8255, 313.1466

8.0987, 11.2001,
19.1245

254.3338,
292.6087, 373.6170

4.2105, 6.2016,
11.5825

304.7148,

1.8219, 2.9681,

348.7696, 441.4103

6.3410

361.3451,
411.6926, 516.9451

■ 0.5308, 1.1151,
2.9814

■ 0.0000, 0.0000,
1.0851

■ 62.8211, 76.1211,
105.9896

■ 62.8211, 76.1211,
105.9896

■ 57.1514, 71.4118,
105.3794

■ 69.5611, 81.4275,
106.6586

■ 52.4806, 67.2570,
104.8236

■ 77.4250, 87.3534,
107.3879

■ 48.7382, 63.6219,
104.3192

■ 86.4699, 93.9303,
108.1806

■ 45.8414, 60.4636,
103.8623

95.0500, 100.0000,
108.9000

■ 43.6924, 57.7313,
103.4482

■ 42.1543, 55.3542,
103.0704

■ 41.9391, 54.9982,
103.0130

Harmonies

Analogous

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



60.6878, 76.1211, 87.0524



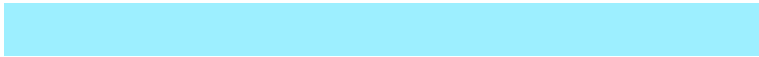
62.8211, 76.1211, 105.9896



67.5261, 76.1211, 120.0569

Triad

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



62.8211, 76.1211, 105.9896



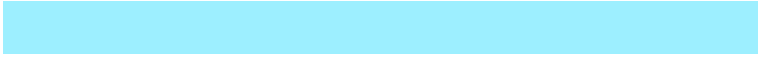
84.3754, 76.1211, 97.8386



70.9282, 76.1211, 52.3004

Complementary

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



62.8211, 76.1211, 105.9896



62.2697, 53.5815, 38.9604

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.



77.4001, 76.1211, 54.3036



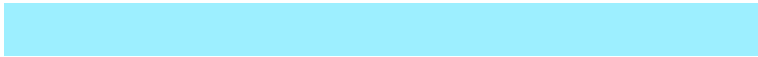
62.8211, 76.1211, 105.9896



85.4199, 76.1211, 78.8488

Square

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



62.8211, 76.1211, 105.9896



80.0237, 76.1211, 114.8824



82.7986, 76.1211, 63.4052



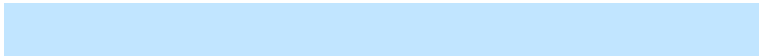
65.1848, 76.1211, 57.4567

Rectangle

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



62.8211, 76.1211, 105.9896



71.6186, 76.1211, 123.7605



82.7986, 76.1211, 63.4052



73.0880, 76.1211, 52.1719

Sweetspot

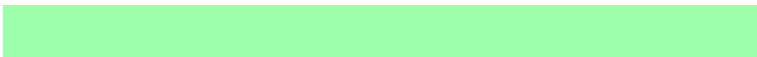
The Sweet Spot groups the original color and five complimentary colors.



62.8232, 76.1240, 105.9900



83.1018, 91.5057, 107.8902



57.0834, 81.6557, 51.6331



17.5317, 19.4007, 23.0706



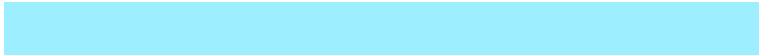
0.0000, 0.0000, 0.0000



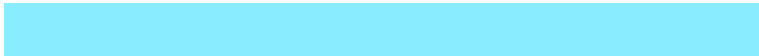
20.3446, 21.4041, 23.3091

Same Dimension

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



62.8232, 76.1240, 105.9900



58.4349, 72.5041, 105.5226



50.6523, 51.7823, 101.9331



18.2876, 19.9468, 23.1362



22.0079, 28.9255, 53.8578



2.2072, 2.9450, 5.2654

Inverse Universe

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



68.8783, 51.6076, 87.9956



65.4045, 45.3986, 84.5607



73.1038, 75.2498, 42.5718



18.6578, 18.2464, 22.0812



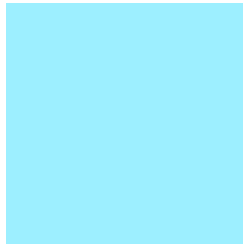
27.8968, 13.6480, 34.4366



2.7487, 1.3418, 3.5239

Previews

White Background



This preview shows how the XYZ color 62.8211, 76.1211, 105.9896 looks on a white background.

Color Contrast Check

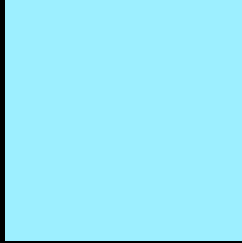
Large Text (above 18pt) WCAG AA × Fail

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 62.8211, 76.1211, 105.9896 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 62.8211, 76.1211, 105.9896

Background



This preview shows how black text looks on a background with the XYZ color 62.8211, 76.1211, 105.9896.

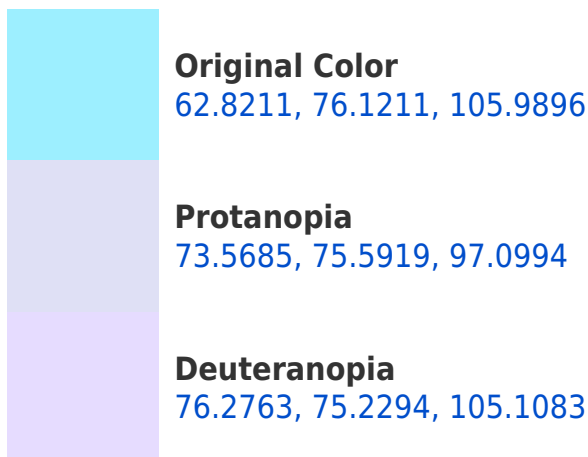


This preview shows how white text looks on a background with the XYZ color 62.8211, 76.1211,

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





Tritanopia

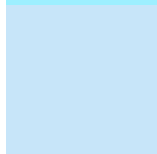
63.8512, 75.7877, 105.8709

Trichromacy



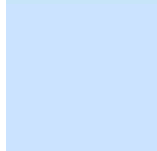
Original Color

62.8211, 76.1211, 105.9896



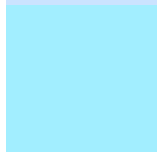
Protanomaly

68.6714, 75.0203, 100.4835



Deuteranomaly

70.1477, 74.8547, 105.3590



Tritanomaly

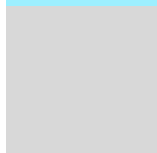
63.5248, 76.0505, 105.9388

Monochromacy



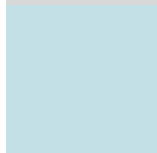
Original Color

62.8211, 76.1211, 105.9896



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 62.8211, 76.1211, 105.9896 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(157, 239, 255)` looks like.

```
.text, #text, p{  
    color:rgb(157, 239, 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(157, 239, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 239, 255) }
```

Border

The CSS property to change the border of an element to XYZ 62.8211, 76.1211, 105.9896 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(157, 239, 255) }
```


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

```
.border{ border-color:rgb(157, 239, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 239, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 239, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 239, 255);  
box-shadow:4px 4px 4px 4px rgb(157, 239,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 62.8211, 76.1211, 105.9896 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 239, 255) }
```

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

```
.background{ background-color: rgb(157,  
239, 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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