

Converting Colors

XYZ(62.7762, 77.7209, 91.8871)

Have a look what the booklet for
XYZ(62.7762, 77.7209, 91.8871)
contains.

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Color

**XYZ(62.7641, 77.7257,
91.8153)**

Conversions

Conversions Part 1

Format	Color
Hex	A6F2ED
RGB	166, 242, 237
RGB Percent	65%, 95%, 93%
CMY	0.3490, 0.0510, 0.0706
CMYK	0.31, 0.00, 0.02, 0.05
HSL	176°, 75%, 80%
HSV	176°, 31%, 95%
XYZ	62.7641, 77.7257, 91.8153
YIQ	218.7060, -43.6910, -17.6670

Conversions

Conversions Part 2

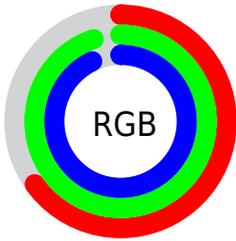
Format	Color
R _{YB}	166, 205, 242
Decimal	10941165
CIE Lab	90.65, -24.31, -5.06
CIE LCh	91, 24.834, 191.765
Yxy	77.7257, 0.2702, 0.3346
Android (android.graphics.Color)	4289131245 (0xFFA6F2ED)
YUV	218.7060, 9.0189, -46.2232
Hunter-Lab	88.1622, -27.2067, -0.0332

Details

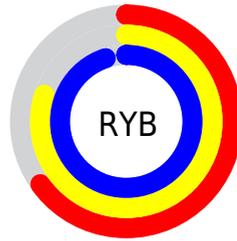
The XYZ color **62.7641, 77.7257, 91.8153** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **57.6076, 49.0922, 44.9706**, and the grayscale version is **67.0913, 70.5853, 76.8674**.

A 20% lighter version of the original color is **84.2414, 94.4280, 108.3942**, and **32.4549, 41.8335, 50.0802** is the 20% darker color. If you saturate the color by 10%, you get **57.9295, 75.2621, 90.3810**, and if you desaturate by 10%, it is **68.5598, 80.6884, 93.3087**.

Distribution



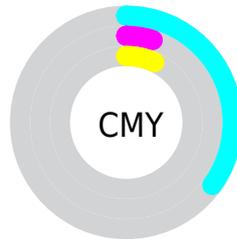
- Red (65%)
- Green (95%)
- Blue (93%)



- Red (65%)
- Yellow (80%)
- Blue (95%)



- Cyan (31%)
- Magenta (0%)
- Yellow (2%)
- Black (5%)



- Cyan (35%)
- Magenta (5%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 62.7641, 77.7257, 91.8153 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 62.7641, 77.7257, 91.8153 by changing the saturation by 10% instead.

 62.7641, 77.7257,
91.8153

 62.7641, 77.7257,
91.8153

424.3861,
487.2348, 554.6402

 45.9083, 57.8487,
68.9051

 107.9128,
130.1634, 151.8148

 32.3778, 41.6870,
50.1631

 136.9365,
163.4928, 189.7412

 21.8072, 28.8563,
35.1709

170.7468,
202.0752, 233.5101

 13.8311, 18.9721,
23.5100

209.7092,
246.2949, 283.5399

 8.0842, 11.6501,
14.7617

254.1890,
296.5363, 340.2493

 4.2011, 6.5059,
8.5075

304.5515,

 1.8165, 3.1551,

353.1838, 404.0568

4.3290

361.1621,
416.6218, 475.3809

■ 0.5276, 1.2132,
1.8075

■ 0.0000, 0.0725,
0.4329

■ 62.7641, 77.7257,
91.8153

■ 62.7641, 77.7257,
91.8153

■ 57.9295, 75.2621,
90.3810

■ 68.5598, 80.6884,
93.3087

■ 53.9956, 73.2606,
88.9980

■ 75.3592, 84.1664,
94.8582

■ 50.9056, 71.6940,
87.6652

■ 83.2108, 88.1866,
96.4679

■ 48.5936, 70.5282,
86.3795

■ 89.2276, 91.2606,
98.0025

■ 46.9837, 69.7240,
85.1374

■ 89.4698, 91.3575,
99.2778

■ 45.9850, 69.2348,
83.9345

■ 89.7141, 91.4552,
100.5641

■ 45.4912, 69.0020,
82.9261

■ 89.9605, 91.5537,
101.8615

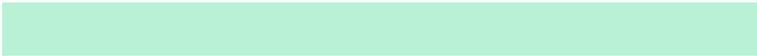
■ 90.2089, 91.6531,
103.1699

■ 90.4595, 91.7534,
104.4895

Harmonies

Analogous

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



63.0784, 77.7257, 74.3478



62.7641, 77.7257, 91.8153



65.3010, 77.7257, 109.5841

Triad

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



62.7641, 77.7257, 91.8153



82.1407, 77.7257, 112.8675



77.6860, 77.7257, 56.0629

Complementary

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



62.7641, 77.7257, 91.8153



57.6076, 49.0922, 44.9706

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.



83.1706, 77.7257, 63.7848



62.7641, 77.7257, 91.8153



85.8403, 77.7257, 95.8192

Square

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



62.7641, 77.7257, 91.8153



76.3440, 77.7257, 122.8311



86.2275, 77.7257, 77.8298



71.4617, 77.7257, 55.3051

Rectangle

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



62.7641, 77.7257, 91.8153



68.3554, 77.7257, 118.5746



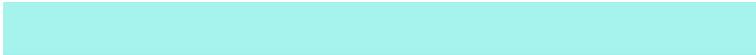
86.2275, 77.7257, 77.8298



79.6860, 77.7257, 57.8738

Sweetspot

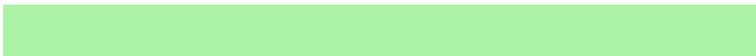
The Sweet Spot groups the original color and five complimentary colors.



62.7664, 77.7288, 91.8171



86.8626, 95.8073, 107.2522



55.4466, 74.9260, 47.6178



18.3287, 20.3718, 22.9005



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.



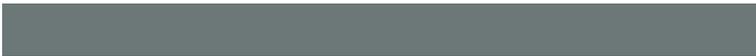
62.7664, 77.7288, 91.8171



66.9201, 85.6152, 102.3116



54.5721, 60.1540, 92.7426



16.1998, 17.9100, 20.0751



24.4573, 37.0750, 44.6528



2.0481, 3.0897, 3.7855

Inverse Universe

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



57.6076, 49.0922, 44.9706



60.2281, 48.4455, 41.5255



63.9117, 62.4493, 44.7634



15.8150, 15.7757, 16.5820



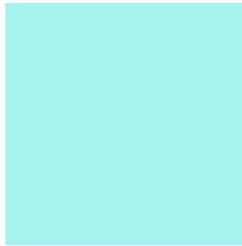
19.7384, 10.1678, 1.2728



1.6567, 0.8517, 0.1831

Previews

White Background



This preview shows how the XYZ color 62.7641, 77.7257, 91.8153 looks on a white background.

Color Contrast Check

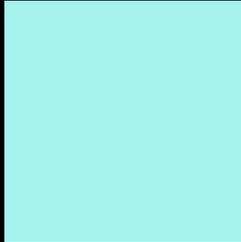
Large Text (above 18pt) WCAG AA × Fail

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 62.7641, 77.7257, 91.8153 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

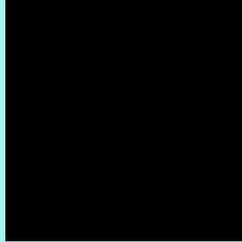
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

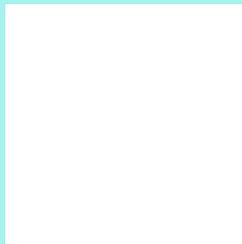
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 62.7641, 77.7257, 91.8153

Background



This preview shows how black text looks on a background with the XYZ color 62.7641, 77.7257, 91.8153.



This preview shows how white text looks on a background with the XYZ color 62.7641, 77.7257,

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

62.7641, 77.7257, 91.8153

Protanopia

74.1549, 76.9831, 84.3496

Deuteranopia

78.6958, 77.1185, 93.9567



Tritanopia

66.9846, 77.8340, 106.1008

Trichromacy



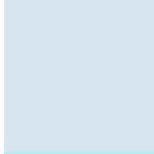
Original Color

62.7641, 77.7257, 91.8153



Protanomaly

69.0125, 76.7481, 86.7778



Deuteranomaly

71.7718, 76.7770, 93.4747



Tritanomaly

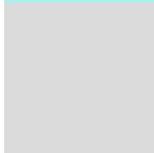
65.2653, 77.5090, 100.3278

Monochromacy



Original Color

62.7641, 77.7257, 91.8153



Achromatopsia

67.3311, 70.8376, 77.1421



Achromatomaly

65.0160, 72.7085, 82.5589

CSS Examples

Text

The CSS property to change the color of the text to XYZ 62.7641, 77.7257, 91.8153 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(166, 242, 237)` looks like.

```
.text, #text, p{  
    color:rgb(166, 242, 237)  
}
```

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(166, 242, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 242, 237) }
```

Border

The CSS property to change the border of an element to XYZ 62.7641, 77.7257, 91.8153 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(166, 242, 237) }
```

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

```
.border{ border-color:rgb(166, 242, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 242, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 242, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 242, 237);  
box-shadow:4px 4px 4px 4px rgb(166, 242,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 62.7641, 77.7257, 91.8153 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 242, 237) }
```

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

```
.background{ background-color: rgb(166,  
242, 237) }
```

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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