

Converting Colors

XYZ(63.2067, 77.8448, 91.2989)

Have a look what the booklet for
XYZ(63.2067, 77.8448, 91.2989)
contains.

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Color

**XYZ(63.2546, 77.9954,
91.0776)**

Conversions

Conversions Part 1

Format	Color
Hex	A9F2EC
RGB	169, 242, 236
RGB Percent	66%, 95%, 93%
CMY	0.3372, 0.0510, 0.0745
CMYK	0.30, 0.00, 0.02, 0.05
HSL	175°, 74%, 81%
HSV	175°, 30%, 95%
XYZ	63.2546, 77.9954, 91.0776
YIQ	219.4890, -41.5820, -17.3420

Conversions

Conversions Part 2

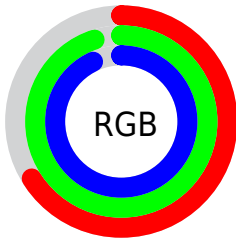
Format	Color
R_{YB}	169, 207, 242
Decimal	11137772
CIE _{Lab}	90.78, -23.71, -4.34
CIE _{LCh}	91, 24.107, 190.380
Yxy	77.9954, 0.2723, 0.3357
Android (android.graphics.Color)	4289327852 (0xFFA9F2EC)
YUV	219.4890, 8.1399, -44.2789
Hunter-Lab	88.3150, -26.7027, 0.6758

Details

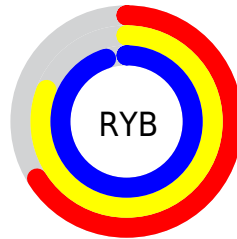
The XYZ color **63.2546, 77.9954, 91.0776** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **58.5465, 50.3504, 47.1933**, and the grayscale version is **67.6393, 71.1618, 77.4952**.

A 20% lighter version of the original color is **85.1740, 94.9088, 108.4378**, and **32.7366, 41.9905, 49.5596** is the 20% darker color. If you saturate the color by 10%, you get **58.2487, 75.4500, 89.3440**, and if you desaturate by 10%, it is **69.2291, 81.0437, 92.8767**.

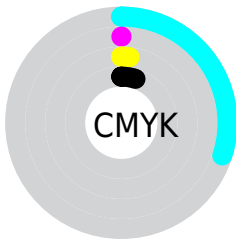
Distribution



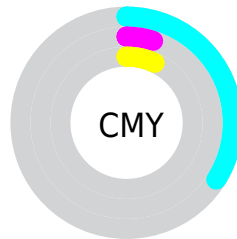
- Red (66%)
- Green (95%)
- Blue (93%)



- Red (66%)
- Yellow (81%)
- Blue (95%)



- Cyan (30%)
- Magenta (0%)
- Yellow (2%)
- Black (5%)



- Cyan (34%)
- Magenta (5%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.2546, 77.9954, 91.0776 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 63.2546, 77.9954, 91.0776 by changing the saturation by 10% instead.

63.2546, 77.9954,
91.0776

63.2546, 77.9954,
91.0776

426.1379,
488.1512, 552.1903

46.3066, 58.0702,
68.2960

108.6165,
130.5436, 150.7829

32.6935, 41.8651,
49.6704

137.7611,
163.9355, 188.5437

22.0499, 28.9957,
34.7822

171.7020,
202.5850, 232.1346

14.0103, 19.0775,
23.2130

210.8045,
246.8765, 281.9742

8.2096, 11.7263,
14.5441

255.4340,
297.1945, 338.4811

4.2823, 6.5576,
8.3570

305.9558,

1.8630, 3.1870,

353.9234, 402.0737

4.2332

362.7353,
417.4475, 473.1706

■ 0.5552, 1.2301,
1.7541

■ 0.0000, 0.0861,
0.3974

■ 63.2546, 77.9954,
91.0776

■ 63.2546, 77.9954,
91.0776

■ 58.2487, 75.4500,
89.3440

■ 69.2291, 81.0437,
92.8767

■ 54.1515, 73.3707,
87.6679

■ 76.2144, 84.6108,
94.7384

■ 50.9071, 71.7306,
86.0485

■ 84.2585, 88.7234,
96.6665

■ 48.4504, 70.4962,
84.4827

■ 89.3168, 91.2963,
98.4719

■ 46.7070, 69.6292,
82.9668

■ 89.6206, 91.4178,
100.0718

■ 45.5884, 69.0839,
81.4967

■ 89.9277, 91.5407,
101.6889

■ 44.9523, 68.7865,
80.0887

■ 90.2381, 91.6648,
103.3233

■ 90.5518, 91.7903,
104.9751

■ 90.8687, 91.9171,
106.6442

Harmonies

Analogous

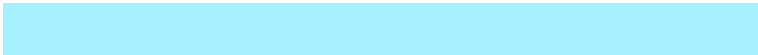
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



63.6925, 77.9954, 74.2074



63.2546, 77.9954, 91.0776



65.6082, 77.9954, 108.4219

Triad

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



63.2546, 77.9954, 91.0776



81.9378, 77.9954, 112.9555



78.1128, 77.9954, 57.2166

Complementary

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



63.2546, 77.9954, 91.0776



58.5465, 50.3504, 47.1933

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.



83.3644, 77.9954, 65.0925



63.2546, 77.9954, 91.0776



85.6547, 77.9954, 96.6251

Square

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



63.2546, 77.9954, 91.0776



76.2510, 77.9954, 122.1461



86.1906, 77.9954, 79.0535



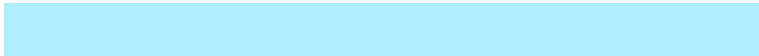
72.0532, 77.9954, 56.1543

Rectangle

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



63.2546, 77.9954, 91.0776



68.5229, 77.9954, 117.3513



86.1906, 77.9954, 79.0535



80.0398, 77.9954, 59.0986

Sweetspot

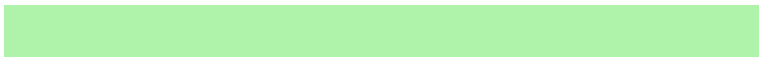
The Sweet Spot groups the original color and five complimentary colors.



63.2569, 77.9985, 91.0794



86.8026, 95.7832, 106.9358



56.6138, 75.4956, 49.1258



18.3138, 20.3658, 22.8219



0.0000, 0.0000, 0.0000



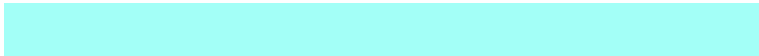
20.3446, 21.4041, 23.3091

Same Dimension

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



63.2569, 77.9985, 91.0794



67.7635, 86.0710, 101.4031



55.8309, 61.7273, 92.9799



16.1880, 17.9052, 20.0130



24.1723, 36.9610, 43.1519



2.0274, 3.0814, 3.6765

Inverse Universe

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



58.5465, 50.3504, 47.1933



61.6995, 50.4562, 44.8897



64.3015, 62.7833, 46.2669



15.8255, 15.7799, 16.6376



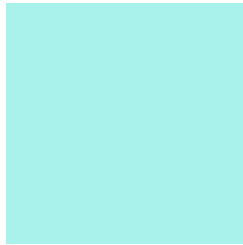
19.7584, 10.1758, 1.3783



1.6618, 0.8537, 0.2097

Previews

White Background



This preview shows how the XYZ color 63.2546, 77.9954, 91.0776 looks on a white background.

Color Contrast Check

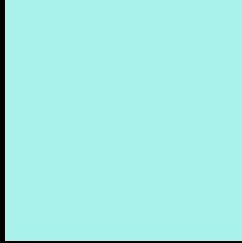
Large Text (above 18pt) WCAG AA × Fail

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 63.2546, 77.9954, 91.0776 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

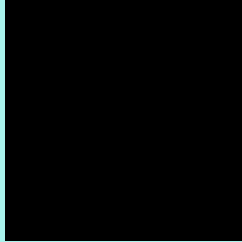
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 63.2546, 77.9954, 91.0776

Background



This preview shows how black text looks on a background with the XYZ color 63.2546, 77.9954, 91.0776.



This preview shows how white text looks on a background with the XYZ color 63.2546, 77.9954,

91.0776.

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

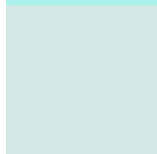
67.4469, 78.0724, 106.1224

Trichromacy



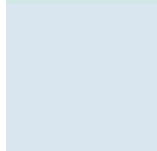
Original Color

63.2546, 77.9954, 91.0776



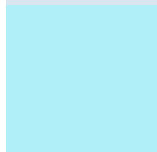
Protanomaly

69.4340, 76.9817, 86.0623



Deuteranomaly

72.2146, 77.0223, 92.7220



Tritanomaly

65.7143, 77.7404, 100.3488

Monochromacy



Original Color

63.2546, 77.9954, 91.0776



Achromatopsia

67.3311, 70.8376, 77.1421



Achromatomaly

65.1471, 72.7919, 81.8508

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.2546, 77.9954, 91.0776 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(169, 242, 236)` looks like.

```
.text, #text, p{  
    color:rgb(169, 242, 236)  
}
```

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(169, 242, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 242, 236) }
```

Border

The CSS property to change the border of an element to XYZ 63.2546, 77.9954, 91.0776 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(169, 242, 236) }
```


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

```
.border{ border-color:rgb(169, 242, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 242, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 242, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 242, 236);  
box-shadow:4px 4px 4px 4px rgb(169, 242,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 63.2546, 77.9954, 91.0776 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 242, 236) }
```

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

```
.background{ background-color: rgb(169,  
242, 236) }
```

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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