

Converting Colors

XYZ(62.6592, 80.5505, 91.4862)

Have a look what the booklet for
XYZ(62.6592, 80.5505, 91.4862)
contains.

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Color

**XYZ(62.6124, 80.3590,
91.5677)**

Conversions

Conversions Part 1

Format	Color
Hex	9DF8EC
RGB	157, 248, 236
RGB Percent	62%, 97%, 93%
CMY	0.3843, 0.0274, 0.0745
CMYK	0.37, 0.00, 0.05, 0.03
HSL	172°, 87%, 79%
HSV	172°, 37%, 97%
XYZ	62.6124, 80.3590, 91.5677
YIQ	219.4230, -50.3840, -23.0240

Conversions

Conversions Part 2

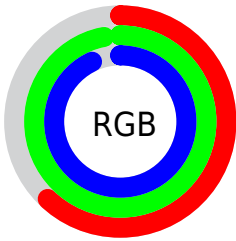
Format	Color
RYB	157, 206, 248
Decimal	10352876
CIELab	91.85, -29.80, -2.84
CIELCh	92, 29.932, 185.444
Yxy	80.3590, 0.2670, 0.3426
Android (android.graphics.Color)	4288542956 (0xFF9DF8EC)
YUV	219.4230, 8.1725, -54.7450
Hunter-Lab	89.6432, -32.2000, 2.1874

Details

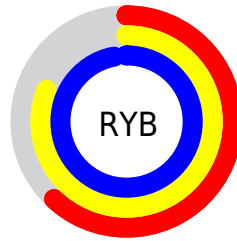
The XYZ color **62.6124, 80.3590, 91.5677** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **57.9326, 46.9374, 43.5458**, and the grayscale version is **67.5977, 71.1180, 77.4475**.

A 20% lighter version of the original color is **81.8343, 93.1871, 108.2815**, and **32.2358, 43.3236, 49.8433** is the 20% darker color. If you saturate the color by 10%, you get **57.7858, 77.9273, 88.8851**, and if you desaturate by 10%, it is **68.4343, 83.3069, 94.3458**.

Distribution



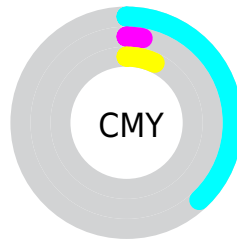
- Red (62%)
- Green (97%)
- Blue (93%)



- Red (62%)
- Yellow (81%)
- Blue (97%)



- Cyan (37%)
- Magenta (0%)
- Yellow (5%)
- Black (3%)





- Cyan (38%)
- Magenta (3%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 62.6124, 80.3590, 91.5677 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 62.6124, 80.3590, 91.5677 by changing the saturation by 10% instead.


 62.6124, 80.3590,
91.5677


 62.6124, 80.3590,
91.5677


423.8435,
496.1419, 553.8186

 45.7852, 60.0138,
68.7006


 107.6951,
133.8704, 151.4686

 32.2802, 43.4298,
49.9977


 136.6813,
167.8053, 189.3394

 21.7322, 30.2225,
35.0404


170.4511,
207.0390, 233.0486

 13.7758, 20.0075,
23.4102

209.3701,
251.9558, 283.0147

 8.0455, 12.4005,
14.6885

253.8034,
302.9400, 339.6562

 4.1762, 7.0171,
8.4569

304.1165,

 1.8023, 3.4728,

360.3762, 403.3917

4.2967

360.6748,
424.6487, 474.6396

■ 0.5190, 1.3832,
1.7895

■ 0.0000, 0.2043,
0.4210

■ 62.6124, 80.3590,
91.5677

■ 62.6124, 80.3590,
91.5677

■ 57.7858, 77.9273,
88.8851

■ 68.4343, 83.3069,
94.3458

■ 53.8879, 75.9712,
86.2894

■ 75.2994, 86.7896,
97.2167

■ 50.8544, 74.4598,
83.7791

■ 83.2609, 90.8364,
100.1848

■ 48.6103, 73.3544,
81.3505

■ 91.9211, 95.2424,
103.2318

■ 47.0675, 72.6094,
78.9992

■ 92.4361, 95.4484,
105.9440

■ 46.1147, 72.1677,
76.7197

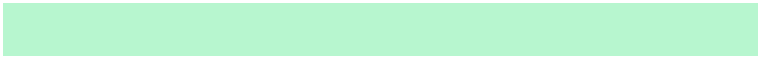
■ 92.8587, 95.6175,
108.1696

■ 45.8723, 72.0589,
75.9790

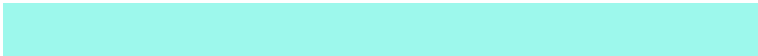
Harmonies

Analogous

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



63.7295, 80.3590, 71.0853



62.6124, 80.3590, 91.5677



64.9782, 80.3590, 114.3602

Triad

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



62.6124, 80.3590, 91.5677



85.2584, 80.3590, 126.6340



82.6760, 80.3590, 54.4164

Complementary

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



62.6124, 80.3590, 91.5677



57.9326, 46.9374, 43.5458

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.



89.0405, 80.3590, 65.2095



62.6124, 80.3590, 91.5677



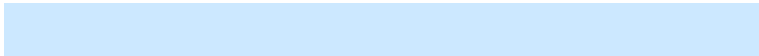
90.6000, 80.3590, 106.2589

Square

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



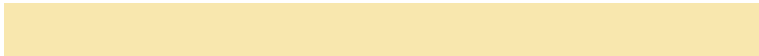
62.6124, 80.3590, 91.5677



77.7872, 80.3590, 136.6631



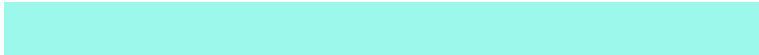
92.0282, 80.3590, 83.5493



74.9876, 80.3590, 51.8134

Rectangle

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



62.6124, 80.3590, 91.5677



68.3119, 80.3590, 127.1152



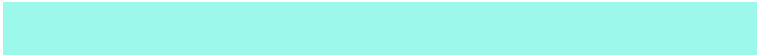
92.0282, 80.3590, 83.5493



85.0570, 80.3590, 57.1068

Sweetspot

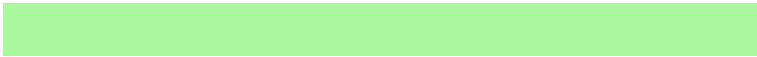
The Sweet Spot groups the original color and five complimentary colors.



62.6147, 80.3622, 91.5695



84.8828, 94.8268, 105.3448



56.0466, 78.0222, 44.0059



17.9220, 20.1716, 22.4562



0.0000, 0.0000, 0.0000



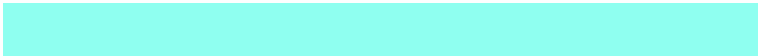
20.3446, 21.4041, 23.3091

Same Dimension

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



62.6147, 80.3622, 91.5695



62.8112, 83.6450, 95.4295



55.0576, 62.3626, 97.9458



17.6615, 19.5669, 21.6841



24.8169, 38.9398, 41.2408



2.3250, 3.6171, 3.9592

Inverse Universe

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



57.9326, 46.9374, 43.5458



57.1695, 43.2997, 37.5115



63.2930, 59.3794, 40.0255



17.3378, 17.2625, 18.3685



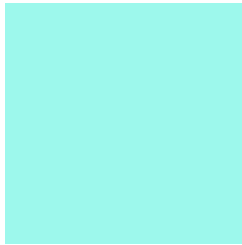
21.0862, 10.8502, 1.8964



1.9810, 1.0161, 0.3235

Previews

White Background



This preview shows how the XYZ color 62.6124, 80.3590, 91.5677 looks on a white background.

Color Contrast Check

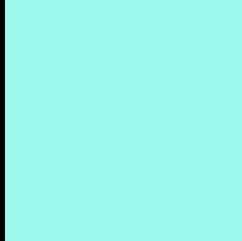
Large Text (above 18pt) WCAG AA × Fail

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 62.6124, 80.3590, 91.5677 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 62.6124, 80.3590, 91.5677

Background



This preview shows how black text looks on a background with the XYZ color 62.6124, 80.3590, 91.5677.



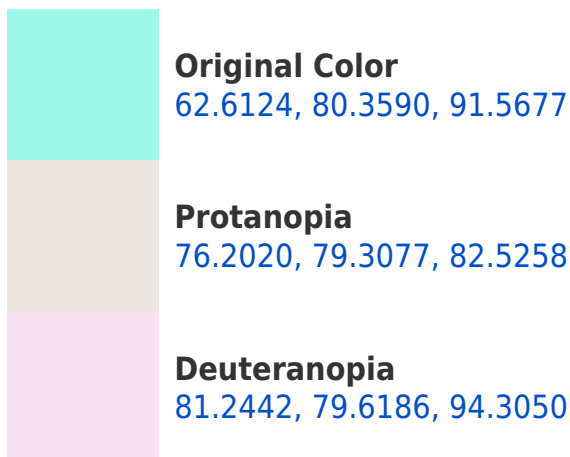
This preview shows how white text looks on a background with the XYZ color 62.6124, 80.3590,

91.5677.

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

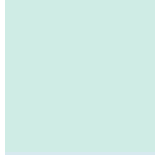
69.2177, 79.8545, 106.3730

Trichromacy



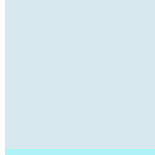
Original Color

62.6124, 80.3590, 91.5677



Protanomaly

69.8704, 78.9134, 85.6780



Deuteranomaly

72.7432, 78.9569, 93.0676



Tritanomaly

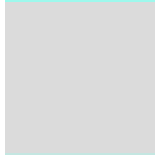
66.6731, 79.9925, 100.7330

Monochromacy



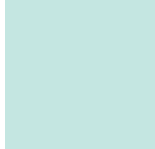
Original Color

62.6124, 80.3590, 91.5677



Achromatopsia

67.3311, 70.8376, 77.1421



Achromatomaly

64.6524, 73.7656, 82.0648

CSS Examples

Text

The CSS property to change the color of the text to XYZ 62.6124, 80.3590, 91.5677 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, 248, 236)` looks like.

```
.text, #text, p{  
    color:rgb(157, 248, 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(157, 248, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 248, 236) }
```

Border

The CSS property to change the border of an element to XYZ 62.6124, 80.3590, 91.5677 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, 248, 236) }
```


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

```
.border{ border-color:rgb(157, 248, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 248, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 248, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 248, 236);  
box-shadow:4px 4px 4px 4px rgb(157, 248,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 62.6124, 80.3590, 91.5677 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 248, 236) }
```

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

```
.background{ background-color: rgb(157,  
248, 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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