

Converting Colors

XYZ(62.7352, 76.0840, 91.0681)

Have a look what the booklet for
XYZ(62.7352, 76.0840, 91.0681)
contains.

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Color

**XYZ(62.5094, 75.8631,
90.7053)**

Conversions

Conversions Part 1

Format	Color
Hex	ABEEEC
RGB	171, 238, 236
RGB Percent	67%, 93%, 93%
CMY	0.3294, 0.0666, 0.0745
CMYK	0.28, 0.00, 0.01, 0.07
HSL	178°, 66%, 80%
HSV	178°, 28%, 93%
XYZ	62.5094, 75.8631, 90.7053
YIQ	217.7390, -39.2900, -14.8260

Conversions

Conversions Part 2

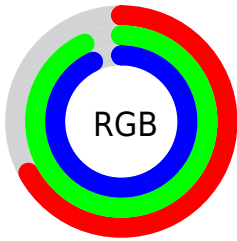
Format	Color
RYB	171, 205, 238
Decimal	11267820
CIELab	89.80, -21.20, -5.78
CIELCh	90, 21.974, 195.250
Yxy	75.8631, 0.2729, 0.3312
Android (android.graphics.Color)	4289457900 (0xFFABEEEC)
YUV	217.7390, 9.0027, -40.9901
Hunter-Lab	87.0994, -24.3184, -0.7750

Details

The XYZ color **62.5094, 75.8631, 90.7053** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **57.3682, 50.3222, 46.2276**, and the grayscale version is **66.4219, 69.8810, 76.1004**.

A 20% lighter version of the original color is **85.8049, 95.2340, 108.4673**, and **32.1686, 40.4642, 49.2949** is the 20% darker color. If you saturate the color by 10%, you get **57.6822, 73.3884, 89.9424**, and if you desaturate by 10%, it is **68.2749, 78.8253, 91.5175**.

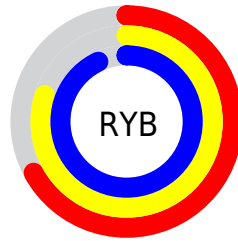
Distribution



Red (67%)

Green (93%)

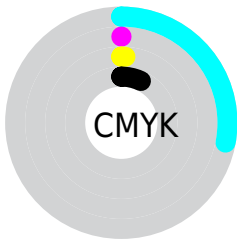
Blue (93%)



Red (67%)

Yellow (80%)

Blue (93%)

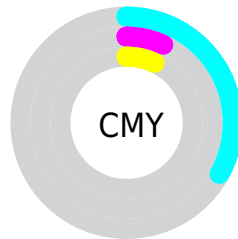


Cyan (28%)

Magenta (0%)

Yellow (1%)

Black (7%)



Cyan (33%)

Magenta (7%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 62.5094, 75.8631, 90.7053 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 62.5094, 75.8631, 90.7053 by changing the saturation by 10% instead.

62.5094, 75.8631,
90.7053

62.5094, 75.8631,
90.7053

423.4748,
480.8789, 550.9517

45.7016, 56.3203,
67.9888

107.5472,
127.5334, 150.2618

32.2140, 40.4598,
49.4220

136.5079,
160.4296, 187.9388

21.6814, 27.8972,
34.5864

170.2503,
198.5457, 231.4397

13.7383, 18.2482,
23.0634

209.1397,
242.2662, 281.1830

8.0193, 11.1283,
14.4346

253.5415,
291.9753, 337.5874

4.1592, 6.1532,
8.2814

303.8211,

1.7926, 2.9385,

348.0576, 401.0712

4.1852

360.3437,
410.8973, 472.0532

■ 0.5132, 1.0997,
1.7275

■ 0.0000, 0.0000,
0.3795

■ 62.5094, 75.8631,
90.7053

■ 62.5094, 75.8631,
90.7053

■ 57.6822, 73.3884,
89.9424

■ 68.2749, 78.8253,
91.5175

■ 53.7364, 71.3662,
89.2213

■ 75.0184, 82.2896,
92.3760

■ 50.6196, 69.7712,
88.5412

■ 82.7853, 86.2816,
93.2845

■ 48.2708, 68.5721,
87.8991

■ 87.3733, 88.6347,
94.0464

46.6207, 67.7332,
87.2919

87.4786, 88.6768,
94.6007

45.5878, 67.2124,
86.7157

87.5842, 88.7190,
95.1571

45.0577, 66.9508,
86.1651

87.6903, 88.7615,
95.7158

44.9841, 66.9150,
86.0647

87.7968, 88.8041,
96.2766

87.9037, 88.8468,
96.8396

Harmonies

Analogous

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



62.4880, 75.8631, 75.2322



62.5094, 75.8631, 90.7053



65.0134, 75.8631, 105.6679

Triad

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



62.5094, 75.8631, 90.7053



79.7644, 75.8631, 105.4513



74.7922, 75.8631, 56.9661

Complementary

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



62.5094, 75.8631, 90.7053



57.3682, 50.3222, 46.2276

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.



79.6957, 75.8631, 63.1636



62.5094, 75.8631, 90.7053



82.6626, 75.8631, 90.4381

Square

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



62.5094, 75.8631, 90.7053



74.8821, 75.8631, 114.8801



82.6368, 75.8631, 74.9963



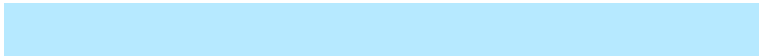
69.3986, 75.8631, 57.0187

Rectangle

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



62.5094, 75.8631, 90.7053



67.8291, 75.8631, 112.7859



82.6368, 75.8631, 74.9963



76.5582, 75.8631, 58.3498

Sweetspot

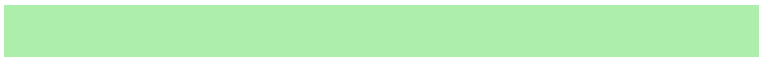
The Sweet Spot groups the original color and five complimentary colors.



62.5116, 75.8662, 90.7070



87.8410, 96.2949, 108.0509



55.2127, 73.0033, 49.7105



18.5300, 20.4715, 23.0941



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.



62.5116, 75.8662, 90.7070



69.6079, 86.9320, 105.5459



54.4777, 59.3299, 89.4729



16.2258, 17.9203, 20.2118



25.1046, 37.3339, 48.0613



2.0949, 3.1084, 4.0319

Inverse Universe

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



57.3682, 50.3222, 46.2276



62.6384, 52.3123, 45.2699



63.7964, 63.4863, 47.4212



15.7919, 15.7665, 16.4606



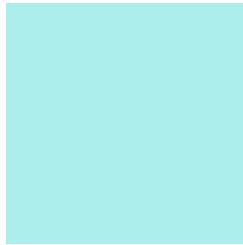
19.7015, 10.1530, 1.0789



1.6457, 0.8473, 0.1250

Previews

White Background



This preview shows how the XYZ color 62.5094, 75.8631, 90.7053 looks on a white background.

Color Contrast Check

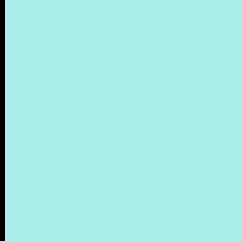
Large Text (above 18pt) WCAG AA × Fail

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 62.5094, 75.8631, 90.7053 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

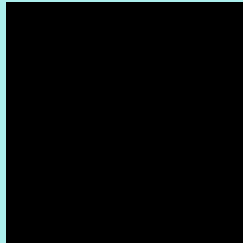
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 62.5094, 75.8631, 90.7053

Background



This preview shows how black text looks on a background with the XYZ color 62.5094, 75.8631, 90.7053.

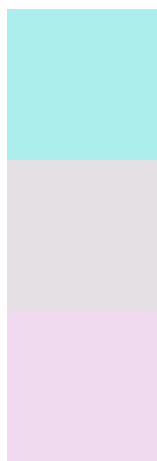


This preview shows how white text looks on a background with the XYZ color 62.5094, 75.8631,

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

62.5094, 75.8631, 90.7053

Protanopia

72.6542, 75.4067, 84.1245

Deuteranopia

76.7348, 74.9593, 92.8623



Tritanopia

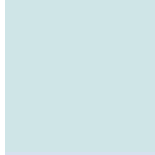
65.2769, 75.6864, 104.9344

Trichromacy



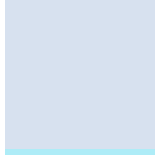
Original Color

62.5094, 75.8631, 90.7053



Protanomaly

68.1752, 75.0735, 86.4987



Deuteranomaly

70.5295, 74.5295, 92.3297



Tritanomaly

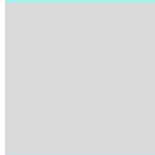
64.2395, 75.7050, 99.2224

Monochromacy



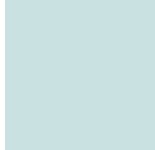
Original Color

62.5094, 75.8631, 90.7053



Achromatopsia

66.6397, 70.1102, 76.3500



Achromatomaly

64.6032, 71.7042, 81.6695

CSS Examples

Text

The CSS property to change the color of the text to XYZ 62.5094, 75.8631, 90.7053 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(171, 238, 236)` looks like.

```
.text, #text, p{  
    color:rgb(171, 238, 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(171, 238, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 238, 236) }
```

Border

The CSS property to change the border of an element to XYZ 62.5094, 75.8631, 90.7053 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(171, 238, 236) }
```


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

```
.border{ border-color:rgb(171, 238, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 238, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(171, 238, 236); -webkit-box-shadow:4px 4px 4px 4px rgb(171, 238, 236); box-shadow:4px 4px 4px 4px rgb(171, 238, 236) }
```

Background

The CSS property to change the background color of an element to XYZ 62.5094, 75.8631, 90.7053 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 238, 236) }
```

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

```
.background{ background-color: rgb(171,  
238, 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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