

Converting Colors

XYZ(62.9742, 76.3776, 79.8331)

Have a look what the booklet for
XYZ(62.9742, 76.3776, 79.8331)
contains.

XYZ(62.9171, 76.3146, 79.8207)	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(62.9171, 76.3146,
79.8207)**

Conversions

Conversions Part 1

Format	Color
Hex	B6EEDD
RGB	182, 238, 221
RGB Percent	71%, 93%, 87%
CMY	0.2863, 0.0666, 0.1333
CMYK	0.24, 0.00, 0.07, 0.07
HSL	162°, 62%, 82%
HSV	162°, 24%, 93%
XYZ	62.9171, 76.3146, 79.8207
YIQ	219.3180, -27.9190, -17.1590

Conversions

Conversions Part 2

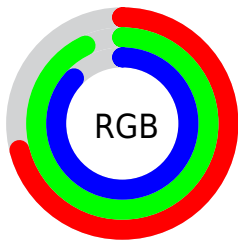
Format	Color
RYB	182, 215, 238
Decimal	11988701
CIELab	90.01, -21.16, 2.43
CIELCh	90, 21.299, 173.444
Yxy	76.3146, 0.2872, 0.3484
Android (android.graphics.Color)	4290178781 (0xFFB6EEDD)
YUV	219.3180, 0.8292, -32.7279
Hunter-Lab	87.3582, -24.3177, 6.9765

Details

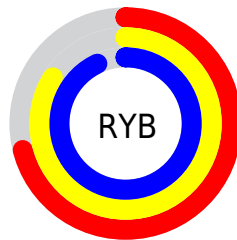
The XYZ color **62.9171, 76.3146, 79.8207** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **62.2994, 55.7586, 61.5151**, and the grayscale version is **67.5628, 71.0813, 77.4075**.

A 20% lighter version of the original color is **89.4066, 97.0907, 108.6359**, and **32.5130, 40.7983, 42.2376** is the 20% darker color. If you saturate the color by 10%, you get **56.8252, 73.2850, 74.6186**, and if you desaturate by 10%, it is **70.0101, 79.8595, 85.2892**.

Distribution



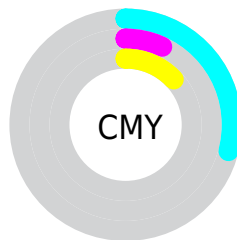
- Red (71%)
- Green (93%)
- Blue (87%)



- Red (71%)
- Yellow (84%)
- Blue (93%)



- Cyan (24%)
- Magenta (0%)
- Yellow (7%)
- Black (7%)





- Cyan (29%)
- Magenta (7%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 62.9171, 76.3146, 79.8207 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 62.9171, 76.3146, 79.8207 by changing the saturation by 10% instead.


 62.9171, 76.3146,
79.8207

 62.9171, 76.3146,
79.8207


424.9330,
482.4240, 514.0192

 46.0325, 56.6905,
59.0455


 108.1324,
128.1715, 134.9227

 32.4762, 40.7568,
42.2295


137.1938,
161.1731, 170.0867

 21.8828, 28.1291,
28.9541


171.0449,
199.4027, 210.8839

 13.8869, 18.4230,
18.8008

210.0511,
243.2447, 257.7331

 8.1232, 11.2541,
11.3511

254.5776,
293.0834, 311.0526

 4.2264, 6.2380,
6.1864

304.9899,

 1.8310, 2.9903,

349.3032, 371.2612

2.8881

361.6532,
412.2886, 438.7772

■ 0.5362, 1.1267,
1.0378

■ 0.0000, 0.0006,
0.0000

■ 62.9171, 76.3146,
79.8207

■ 62.9171, 76.3146,
79.8207

■ 56.8252, 73.2850,
74.6186

■ 70.0101, 79.8595,
85.2892

■ 51.6790, 70.7362,
69.6728

■ 78.1430, 83.9337,
91.0238

■ 47.4278, 68.6441,
64.9798

■ 87.3605, 88.5621,
97.0307

■ 44.0130, 66.9786,
60.5341

■ 89.0565, 89.3081,
102.9098

■ 41.3692, 65.7059,
56.3298

■ 89.8659, 89.6318,
107.1720

■ 39.4205, 64.7872,
52.3603

■ 38.0749, 64.1749,
48.6185

■ 37.4353, 63.8956,
46.3132

Harmonies

Analogous

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



64.6881, 76.3146, 66.9643



62.9171, 76.3146, 79.8207



63.6210, 76.3146, 95.1953

Triad

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



62.9171, 76.3146, 79.8207



76.6456, 76.3146, 112.6967



78.7456, 76.3146, 61.8748

Complementary

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



62.9171, 76.3146, 79.8207



62.2994, 55.7586, 61.5151

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.



82.2445, 76.3146, 72.0637



62.9171, 76.3146, 79.8207



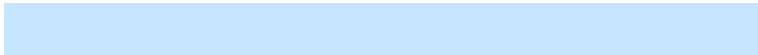
80.9916, 76.3146, 101.6249

Square

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



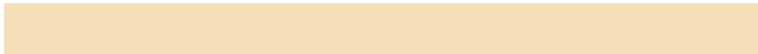
62.9171, 76.3146, 79.8207



71.3827, 76.3146, 115.4238



83.0857, 76.3146, 86.4548



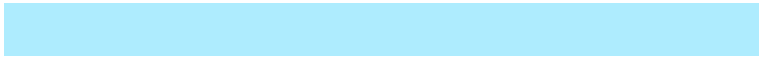
73.6991, 76.3146, 57.4459

Rectangle

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



62.9171, 76.3146, 79.8207



65.4165, 76.3146, 104.7132



83.0857, 76.3146, 86.4548



80.1514, 76.3146, 64.6756

Sweetspot

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



62.9193, 76.3177, 79.8224



87.9248, 96.4262, 104.0760



62.7687, 76.7724, 55.7676



18.6943, 20.5764, 22.1891



0.0000, 0.0000, 0.0000



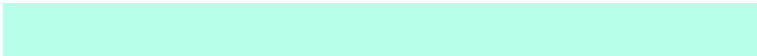
20.3446, 21.4041, 23.3091

Same Dimension

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



62.9193, 76.3177, 79.8224



70.1855, 87.5626, 90.5344



62.3966, 71.4613, 91.3973



16.0311, 17.8425, 19.1865



20.9444, 35.6698, 26.1538



1.7864, 2.9850, 2.4073

Inverse Universe

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



62.2994, 55.7586, 61.5151



69.3505, 59.7962, 65.8203



62.6141, 59.3732, 52.4173



15.9703, 15.8378, 17.4001



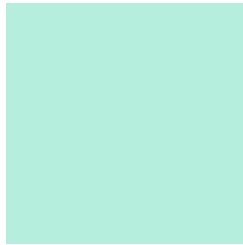
20.3790, 10.4240, 4.6465



1.7379, 0.8842, 0.6107

Previews

White Background



This preview shows how the XYZ color 62.9171, 76.3146, 79.8207 looks on a white background.

Color Contrast Check

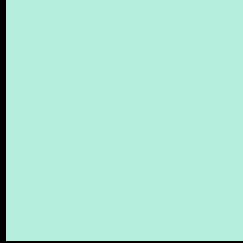
Large Text (above 18pt) WCAG AA × Fail

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 62.9171, 76.3146, 79.8207 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

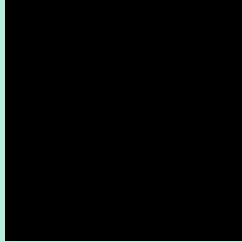
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

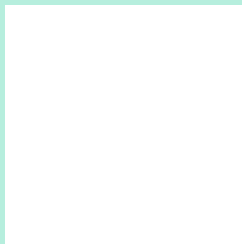
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 62.9171, 76.3146, 79.8207

Background



This preview shows how black text looks on a background with the XYZ color 62.9171, 76.3146, 79.8207.

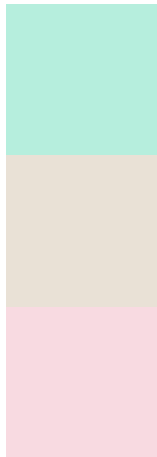


This preview shows how white text looks on a background with the XYZ color 62.9171, 76.3146,

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

62.9171, 76.3146, 79.8207

Protanopia

72.6671, 76.0291, 74.4634

Deuteranopia

77.3734, 75.5355, 81.7360



Tritanopia

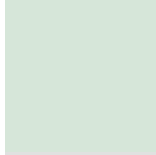
67.4486, 75.9975, 103.2095

Trichromacy



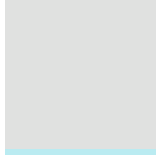
Original Color

62.9171, 76.3146, 79.8207



Protanomaly

68.5528, 75.8995, 76.6826



Deuteranomaly

71.1202, 75.0795, 81.2644



Tritanomaly

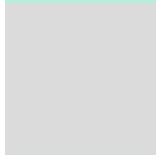
65.8352, 76.2066, 94.4586

Monochromacy



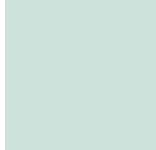
Original Color

62.9171, 76.3146, 79.8207



Achromatopsia

67.3311, 70.8376, 77.1421



Achromatomaly

65.5682, 72.6818, 78.2833

CSS Examples

Text

The CSS property to change the color of the text to XYZ 62.9171, 76.3146, 79.8207 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(182, 238, 221)` looks like.

```
.text, #text, p{  
    color:rgb(182, 238, 221)  
}
```

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(182, 238, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 238, 221) }
```

Border

The CSS property to change the border of an element to XYZ 62.9171, 76.3146, 79.8207 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(182, 238, 221) }
```


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

```
.border{ border-color:rgb(182, 238, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 238, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 238, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 238, 221);  
box-shadow:4px 4px 4px 4px rgb(182, 238,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 62.9171, 76.3146, 79.8207 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 238, 221) }
```

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

```
.background{ background-color: rgb(182,  
238, 221) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor