

Converting Colors

XYZ(63.0577, 76.7201, 73.3716)

Have a look what the booklet for
XYZ(63.0577, 76.7201, 73.3716)
contains.

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Color

**XYZ(62.8259, 76.4170,
73.0667)**

Conversions

Conversions Part 1

Format	Color
Hex	BBEED3
RGB	187, 238, 211
RGB Percent	73%, 93%, 83%
CMY	0.2667, 0.0666, 0.1725
CMYK	0.21, 0.00, 0.11, 0.07
HSL	148°, 60%, 83%
HSV	148°, 21%, 93%
XYZ	62.8259, 76.4170, 73.0667
YIQ	219.6730, -21.7290, -19.2090

Conversions

Conversions Part 2

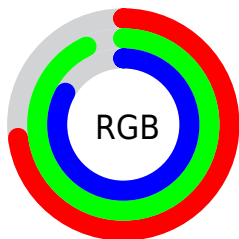
Format	Color
RYB	187, 222, 238
Decimal	12316371
CIELab	90.05, -21.57, 7.75
CIELCh	90, 22.924, 160.239
Yxy	76.4170, 0.2959, 0.3599
Android (android.graphics.Color)	4290506451 (0xFFBBEED3)
YUV	219.6730, -4.2758, -28.6542
Hunter-Lab	87.4168, -24.6926, 11.6347

Details

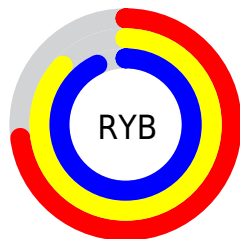
The XYZ color **62.8259, 76.4170, 73.0667** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **65.1705, 58.5747, 71.4928**, and the grayscale version is **67.8410, 71.3740, 77.7263**.

A 20% lighter version of the original color is **91.1182, 97.9731, 108.7160**, and **32.4016, 40.8427, 37.6282** is the 20% darker color. If you saturate the color by 10%, you get **55.9608, 73.0555, 64.8205**, and if you desaturate by 10%, it is **70.7840, 80.3319, 82.0138**.

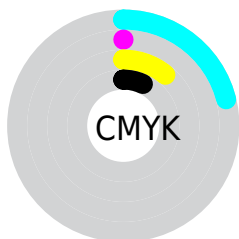
Distribution



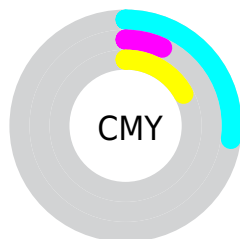
- Red (73%)
- Green (93%)
- Blue (83%)



- Red (73%)
- Yellow (87%)
- Blue (93%)



- Cyan (21%)
- Magenta (0%)
- Yellow (11%)
- Black (7%)





- Cyan (27%)
- Magenta (7%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 62.8259, 76.4170, 73.0667 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 62.8259, 76.4170, 73.0667 by changing the saturation by 10% instead.


 62.8259, 76.4170,
73.0667

 62.8259, 76.4170,
73.0667

424.6071,
482.7740, 490.3229

 45.9585, 56.7745,
53.5383


 108.0015,
128.3162, 125.2937

 32.4176, 40.8242,
37.8420


137.0405,
161.3417, 158.8294

 21.8377, 28.1818,
25.5592


170.8673,
199.5970, 197.8713

 13.8536, 18.4627,
16.2714

209.8473,
243.4664, 242.8380

 8.1000, 11.2827,
9.5600

254.3460,
293.3344, 294.1480

 4.2113, 6.2573,
5.0064


304.7286,


 1.8224, 3.0022,


349.5855, 352.2197


2.1922


361.3605,
412.6038, 417.4719


 0.5311, 1.1329,
0.6699


 0.0000, 0.0058,
0.0000


 62.8259, 76.4170,
73.0667


 62.8259, 76.4170,
73.0667


 55.9608, 73.0555,
64.8205


 70.7840, 80.3319,
82.0138


 50.1321, 70.2121,
57.2530

 79.8758, 84.8145,
91.6730

 45.2875, 67.8624,
50.3481

 88.8844, 89.2393,
102.0030

 41.3673, 65.9760,
44.0871

 89.8660, 89.6319,
107.1720

■ 38.3049, 64.5189,
38.4503

■ 36.0244, 63.4523,
33.4171

■ 34.4350, 62.7298,
28.9650

■ 33.5004, 62.3217,
25.5916

Harmonies

Analogous

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



65.7994, 76.4170, 61.5293



62.8259, 76.4170, 73.0667



62.4007, 76.4170, 88.8931

Triad

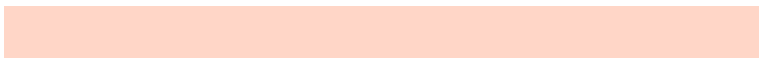
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



62.8259, 76.4170, 73.0667



74.5919, 76.4170, 117.9577



81.2969, 76.4170, 64.5821

Complementary

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



62.8259, 76.4170, 73.0667



65.1705, 58.5747, 71.4928

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.



83.9248, 76.4170, 77.7651



62.8259, 76.4170, 73.0667



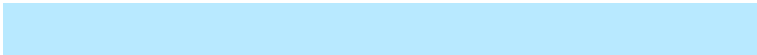
79.9221, 76.4170, 109.4535

Square

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



62.8259, 76.4170, 73.0667



68.9999, 76.4170, 116.2692



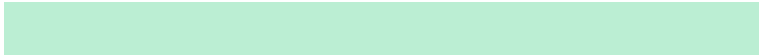
83.4090, 76.4170, 94.2405



76.3895, 76.4170, 57.0912

Rectangle

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



62.8259, 76.4170, 73.0667



63.5947, 76.4170, 99.9819



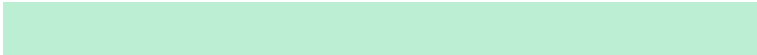
83.4090, 76.4170, 94.2405



82.4874, 76.4170, 68.4186

Sweetspot

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



62.8280, 76.4202, 73.0684



88.3664, 96.7020, 101.9224



67.3368, 79.0666, 58.7271



18.7647, 20.6246, 21.6570



0.0000, 0.0000, 0.0000



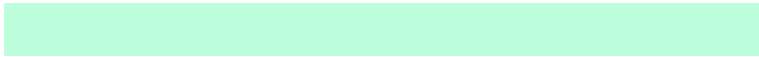
20.3446, 21.4041, 23.3091

Same Dimension

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



62.8280, 76.4202, 73.0684



69.5767, 87.4624, 80.8543



66.2546, 77.7908, 91.1124



15.8755, 17.7802, 18.3674



18.7532, 34.7933, 14.6151



1.6100, 2.9144, 1.4785

Inverse Universe

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



65.1705, 58.5747, 71.4928



72.8008, 62.8973, 78.6836



62.1852, 57.3806, 55.7727



16.1225, 15.8987, 18.2014



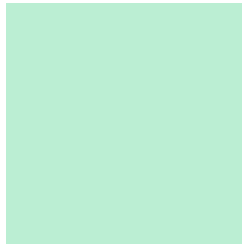
21.8387, 11.0079, 12.3332



1.8670, 0.9359, 1.2906

Previews

White Background



This preview shows how the XYZ color 62.8259, 76.4170, 73.0667 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 62.8259, 76.4170, 73.0667 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

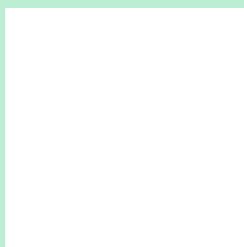
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 62.8259, 76.4170, 73.0667

Background



This preview shows how black text looks on a background with the XYZ color 62.8259, 76.4170, 73.0667.

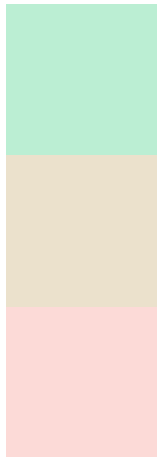


This preview shows how white text looks on a background with the XYZ color 62.8259, 76.4170,

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

62.8259, 76.4170, 73.0667

Protanopia

72.0852, 75.8722, 67.9722

Deuteranopia

77.4820, 75.7446, 74.8264



Tritanopia

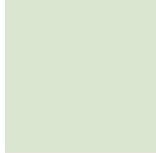
68.5173, 76.1476, 102.3535

Trichromacy



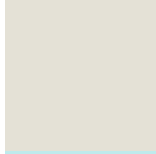
Original Color

62.8259, 76.4170, 73.0667



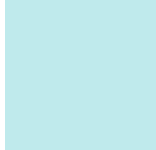
Protanomaly

68.4727, 76.0040, 70.0928



Deuteranomaly

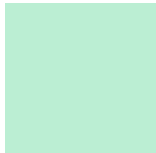
71.0577, 75.1994, 74.3881



Tritanomaly

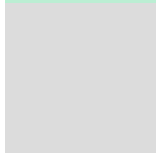
66.0490, 75.9781, 90.5410

Monochromacy



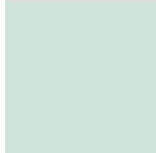
Original Color

62.8259, 76.4170, 73.0667



Achromatopsia

68.0267, 71.5694, 77.9390



Achromatomaly

66.0059, 73.3578, 76.3262

CSS Examples

Text

The CSS property to change the color of the text to XYZ 62.8259, 76.4170, 73.0667 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(187, 238, 211)` looks like.

```
.text, #text, p{  
    color:rgb(187, 238, 211)  
}
```

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(187, 238, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 238, 211) }
```

Border

The CSS property to change the border of an element to XYZ 62.8259, 76.4170, 73.0667 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(187, 238, 211) }
```


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

```
.border{ border-color:rgb(187, 238, 211) }
```

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

Here you see how a box with a 4 pixel rgb(187, 238, 211) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 238, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 238, 211);  
box-shadow:4px 4px 4px 4px rgb(187, 238,  
211) }
```

Background

The CSS property to change the background color of an element to XYZ 62.8259, 76.4170, 73.0667 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 238, 211) }
```

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

```
.background{ background-color: rgb(187,  
238, 211) }
```

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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