

Converting Colors

XYZ(62.8817, 67.9915, 76.0042)

Have a look what the booklet for
XYZ(62.8817, 67.9915, 76.0042)
contains.

XYZ(62.9031, 68.1839, 76.1751)	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(62.9031, 68.1839,
76.1751)**

Conversions

Conversions Part 1

Format	Color
Hex	CDDADA
RGB	205, 218, 218
RGB Percent	80%, 85%, 85%
CMY	0.1961, 0.1451, 0.1451
CMYK	0.06, 0.00, 0.00, 0.15
HSL	180°, 15%, 83%
HSV	180°, 6%, 85%
XYZ	62.9031, 68.1839, 76.1751
YIQ	214.1130, -7.7480, -2.7560

Conversions

Conversions Part 2

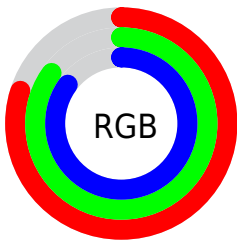
Format	Color
R _Y B	205, 212, 218
Decimal	13490906
CIE Lab	86.10, -4.35, -1.52
CIE LCh	86, 4.608, 199.204
Yxy	68.1839, 0.3035, 0.3290
Android (android.graphics.Color)	4291680986 (0xFFCDDADA)
YUV	214.1130, 1.9163, -7.9921
Hunter-Lab	82.5735, -8.5255, 3.1057

Details

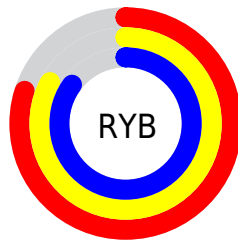
The XYZ color **62.9031, 68.1839, 76.1751** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **61.7667, 62.9776, 66.6612**, and the grayscale version is **63.9854, 67.3176, 73.3089**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **32.4706, 35.4180, 39.7753** is the 20% darker color. If you saturate the color by 10%, you get **57.3033, 65.2991, 75.9104**, and if you desaturate by 10%, it is **69.3447, 71.5065, 76.4820**.

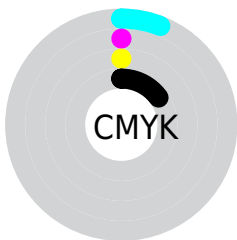
Distribution



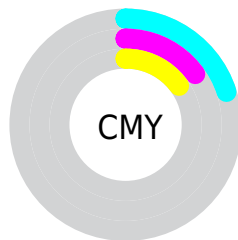
- Red (80%)
- Green (85%)
- Blue (85%)



- Red (80%)
- Yellow (83%)
- Blue (85%)



- Cyan (6%)
- Magenta (0%)
- Yellow (0%)
- Black (15%)



- Cyan (20%)
- Magenta (15%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 62.9031, 68.1839, 76.1751 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 62.9031, 68.1839, 76.1751 by changing the saturation by 10% instead.

■ 62.9031, 68.1839,
76.1751

■ 62.9031, 68.1839,
76.1751

424.8830,
454.1473, 501.3097

■ 46.0212, 50.0474,
56.0686

108.1123,
116.6152, 129.7367

■ 32.4672, 35.4510,
39.8535

137.1703,
147.6787, 164.0290

■ 21.8759, 24.0105,
27.1115

171.0177,
183.8200, 203.8868

■ 13.8818, 15.3414,
17.4238

210.0198,
225.4236, 249.7288

■ 8.1197, 9.0594,
10.3719

254.5420,
272.8736, 301.9736

■ 4.2241, 4.7799,
5.5374

304.9498,

■ 1.8297, 2.1187,

326.5547, 361.0396

2.5017

361.6083,
386.8511, 427.3455

■ 0.5354, 0.6751,
0.8411

■ 0.0000, 0.0000,
0.0000

■ 62.9031, 68.1839,
76.1751

■ 62.9031, 68.1839,
76.1751

■ 57.3033, 65.2991,
75.9104

■ 69.3447, 71.5065,
76.4820

■ 52.5050, 62.8256,
75.6819

■ 76.6547, 75.2748,
76.8281

■ 48.4734, 60.7473,
75.4892

■ 78.9701, 76.4684,
76.9405

■ 45.1687, 59.0437,
75.3305

■ 78.9709, 76.4687,
76.9445

■ 42.5477, 57.6926,
75.2038

■ 78.9716, 76.4690,
76.9486

■ 40.5625, 56.6693,
75.1069

■ 78.9724, 76.4693,
76.9527

■ 39.1591, 55.9459,
75.0372

■ 78.9732, 76.4696,
76.9567

■ 38.2747, 55.4901,
74.9918

■ 78.9739, 76.4699,
76.9608

■ 37.8310, 55.2614,
74.9670

■ 78.9747, 76.4702,
76.9648

Harmonies

Analogous

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



62.8274, 68.1839, 73.1538



62.9031, 68.1839, 76.1751



63.4856, 68.1839, 78.7427

Triad

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



62.9031, 68.1839, 76.1751



66.3602, 68.1839, 78.1158



65.1889, 68.1839, 68.6593

Complementary

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



62.9031, 68.1839, 76.1751



61.7667, 62.9776, 66.6612

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.



66.1461, 68.1839, 69.9136



62.9031, 68.1839, 76.1751



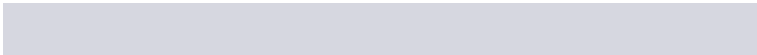
66.8272, 68.1839, 75.3382

Square

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



62.9031, 68.1839, 76.1751



65.4787, 68.1839, 79.8841



66.7484, 68.1839, 72.3393



64.1394, 68.1839, 68.8695

Rectangle

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



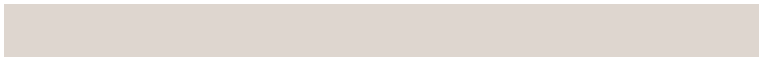
62.9031, 68.1839, 76.1751



64.0866, 68.1839, 79.8259



66.7484, 68.1839, 72.3393



65.5323, 68.1839, 68.9222

Sweetspot

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



62.9050, 68.1868, 76.1766



93.1983, 99.0454, 108.8122



61.3294, 67.5635, 67.5672



19.9677, 21.2098, 23.2912



0.0000, 0.0000, 0.0000



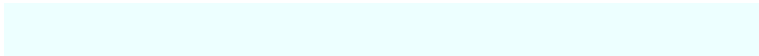
20.3446, 21.4041, 23.3091

Same Dimension

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



62.9050, 68.1868, 76.1766



88.7844, 96.7700, 108.6027



61.3064, 64.9887, 75.6460



13.6867, 14.9543, 16.8166



22.5974, 33.0716, 44.9070



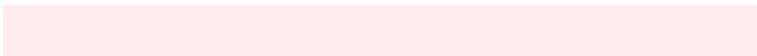
1.4640, 2.1426, 2.9096

Inverse Universe

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



61.7667, 62.9776, 66.6612



86.8763, 88.0388, 92.6537



63.3001, 66.0451, 67.1703



13.3719, 13.5135, 14.1848



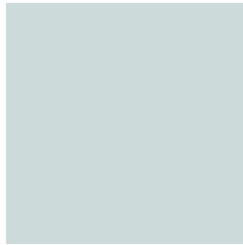
17.3224, 8.9300, 0.8120



1.1223, 0.5785, 0.0529

Previews

White Background



This preview shows how the XYZ color 62.9031, 68.1839, 76.1751 looks on a white background.

Color Contrast Check

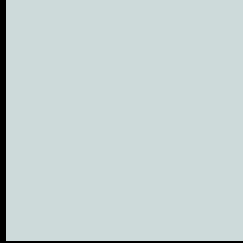
Large Text (above 18pt) WCAG AA × Fail

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 62.9031, 68.1839, 76.1751 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

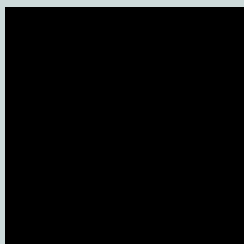
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

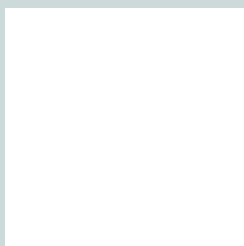
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 62.9031, 68.1839, 76.1751

Background



This preview shows how black text looks on a background with the XYZ color 62.9031, 68.1839, 76.1751.

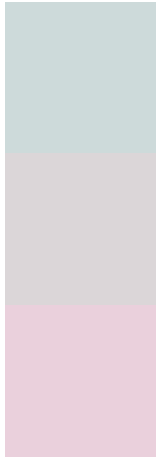


This preview shows how white text looks on a background with the XYZ color 62.9031, 68.1839,

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

62.9031, 68.1839, 76.1751

Protanopia

65.6547, 68.1111, 74.6521

Deuteranopia

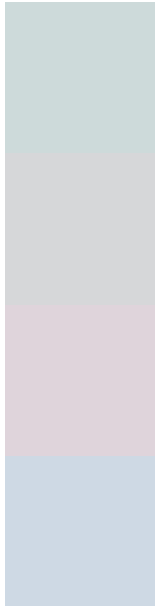
69.4058, 67.7715, 77.1333



Tritanopia

64.9960, 68.2603, 86.8407

Trichromacy



Original Color

62.9031, 68.1839, 76.1751

Protanomaly

64.5564, 67.9068, 75.3505

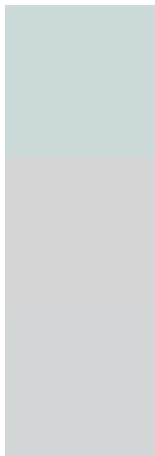
Deuteranomaly

66.7611, 67.8894, 76.6031

Tritanomaly

64.2700, 68.3490, 83.2041

Monochromacy



Original Color

62.9031, 68.1839, 76.1751

Achromatopsia

63.9157, 67.2443, 73.2291

Achromatomaly

63.4301, 67.3561, 73.9479

CSS Examples

Text

The CSS property to change the color of the text to XYZ 62.9031, 68.1839, 76.1751 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(205, 218, 218) looks like.

```
.text, #text, p{  
    color:rgb(205, 218, 218)  
}
```

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(205, 218, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 218, 218) }
```

Border

The CSS property to change the border of an element to XYZ 62.9031, 68.1839, 76.1751 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(205, 218, 218) }
```


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

```
.border{ border-color:rgb(205, 218, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 218, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 218, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 218, 218);  
box-shadow:4px 4px 4px 4px rgb(205, 218,  
218) }
```

Background

The CSS property to change the background color of an element to XYZ 62.9031, 68.1839, 76.1751 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 218, 218) }
```

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

```
.background{ background-color: rgb(205,  
218, 218) }
```

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