

Converting Colors

XYZ(62.1956, 68.7326, 87.8316)

Have a look what the booklet for
XYZ(62.1956, 68.7326, 87.8316)
contains.

XYZ(62.1936, 68.7298, 87.8301)	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(62.1936, 68.7298,
87.8301)**

Conversions

Conversions Part 1

Format	Color
Hex	BFDDEA
RGB	191, 221, 234
RGB Percent	75%, 87%, 92%
CMY	0.2510, 0.1333, 0.0823
CMYK	0.18, 0.06, 0.00, 0.08
HSL	198°, 51%, 83%
HSV	198°, 18%, 92%
XYZ	62.1936, 68.7298, 87.8301
YIQ	213.5120, -22.0530, -2.3170

Conversions

Conversions Part 2

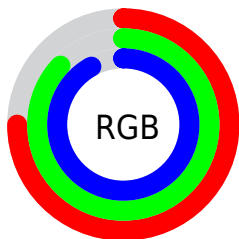
Format	Color
R_{YB}	191, 209, 234
Decimal	12574186
CIE _{Lab}	86.37, -7.17, -9.68
CIE _{LCh}	86, 12.042, 233.471
Yxy	68.7298, 0.2843, 0.3142
Android (android.graphics.Color)	4290764266 (0xFFBFDDEA)
YUV	213.5120, 10.1006, -19.7430
Hunter-Lab	82.9034, -11.1715, -4.7810

Details

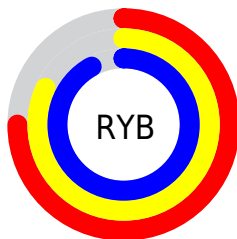
The XYZ color **62.1936, 68.7298, 87.8301** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **64.9291, 64.4397, 58.3076**, and the grayscale version is **63.5354, 66.8442, 72.7933**.

A 20% lighter version of the original color is **92.5214, 98.6965, 108.7817**, and **31.9886, 35.8052, 47.3446** is the 20% darker color. If you saturate the color by 10%, you get **54.9447, 62.2804, 86.9684**, and if you desaturate by 10%, it is **70.4654, 75.8269, 88.7651**.

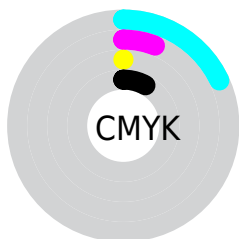
Distribution



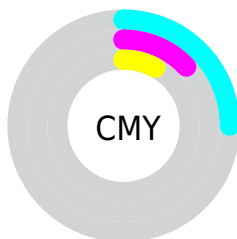
- Red (75%)
- Green (87%)
- Blue (92%)



- Red (75%)
- Yellow (82%)
- Blue (92%)



- Cyan (18%)
- Magenta (6%)
- Yellow (0%)
- Black (8%)



- Cyan (25%)
- Magenta (13%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 62.1936, 68.7298, 87.8301 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 62.1936, 68.7298, 87.8301 by changing the saturation by 10% instead.

■ 62.1936, 68.7298,
87.8301

■ 62.1936, 68.7298,
87.8301

422.3432,
456.0774, 541.3336

■ 45.4453, 50.4917,
65.6188

■ 107.0936,
117.3956, 146.2297

■ 32.0111, 35.8042,
47.5085

135.9761,
148.5920, 183.2550

■ 21.5256, 24.2830,
33.0806

169.6341,
184.8767, 226.0555

■ 13.6234, 15.5437,
21.9166

208.4329,
226.6340, 275.0497

■ 7.9391, 9.2019,
13.5979

252.7378,
274.2483, 330.6560

■ 4.1075, 4.8731,
7.7060

302.9143,

■ 1.7631, 2.1730,

328.1041, 393.2931

3.8223

359.3277,
388.5856, 463.3794

■ 0.4953, 0.7052,
1.5284

■ 0.0000, 0.0000,
0.2389

■ 62.1936, 68.7298,
87.8301

■ 62.1936, 68.7298,
87.8301

■ 54.9447, 62.2804,
86.9684

■ 70.4654, 75.8269,
88.7651

■ 48.6671, 56.4454,
86.1730

■ 79.7966, 83.5864,
89.7710

■ 43.3137, 51.2007,
85.4428

■ 87.9101, 90.8379,
90.7431

■ 38.8308, 46.5173,
84.7751

■ 90.0588, 95.1352,
91.4593

■ 35.1589, 42.3629,
84.1668

■ 91.8515, 98.7206,
92.0569

■ 32.2302, 38.7011,
83.6143

■ 29.9653, 35.4893,
83.1138

■ 28.2501, 32.6672,
82.6594

■ 27.9971, 32.2319,
82.5888

Harmonies

Analogous

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



60.5417, 68.7298, 81.1028



62.1936, 68.7298, 87.8301



64.7193, 68.7298, 91.1074

Triad

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



62.1936, 68.7298, 87.8301



70.7845, 68.7298, 76.5903



63.2186, 68.7298, 61.6463

Complementary

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



62.1936, 68.7298, 87.8301



64.9291, 64.4397, 58.3076

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.



65.9357, 68.7298, 60.6257



62.1936, 68.7298, 87.8301



70.3552, 68.7298, 68.8989

Square

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



62.1936, 68.7298, 87.8301



69.7181, 68.7298, 84.3275



68.5610, 68.7298, 63.1895



61.1216, 68.7298, 66.0832

Rectangle

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



62.1936, 68.7298, 87.8301



66.5794, 68.7298, 90.7408



68.5610, 68.7298, 63.1895



64.0877, 68.7298, 60.9060

Sweetspot

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



62.1956, 68.7326, 87.8316



88.1858, 94.2976, 108.1611



61.7970, 74.2781, 68.1453



18.7216, 20.0545, 23.1341



0.0000, 0.0000, 0.0000



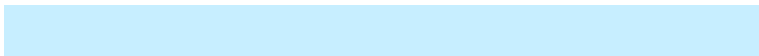
20.3446, 21.4041, 23.3091

Same Dimension

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



62.1956, 68.7326, 87.8316



72.1638, 80.5227, 106.3467



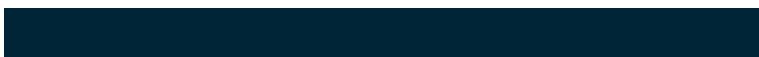
56.9002, 58.1418, 86.0665



15.1111, 16.3086, 19.2737



15.8482, 18.3435, 46.4483



1.3283, 1.6080, 3.6752

Inverse Universe

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



65.6153, 59.9760, 76.5281



77.0794, 68.2364, 90.0307



70.3703, 75.3222, 60.1213



15.5096, 15.2317, 17.9690



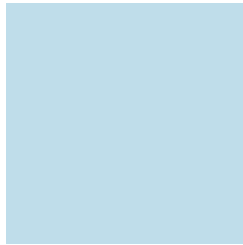
22.8548, 11.3446, 20.8343



1.8370, 0.9077, 1.8588

Previews

White Background



This preview shows how the XYZ color 62.1936, 68.7298, 87.8301 looks on a white background.

Color Contrast Check

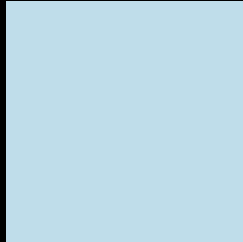
Large Text (above 18pt) WCAG AA × Fail

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 62.1936, 68.7298, 87.8301 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

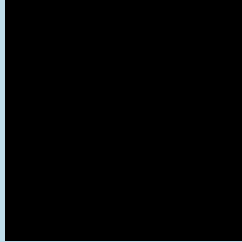
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 62.1936, 68.7298, 87.8301

Background



This preview shows how black text looks on a background with the XYZ color 62.1936, 68.7298, 87.8301.

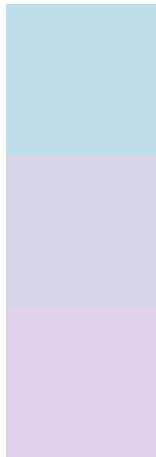


This preview shows how white text looks on a background with the XYZ color 62.1936, 68.7298,

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

62.1936, 68.7298, 87.8301

Protanopia

66.3538, 68.2534, 84.5399

Deuteranopia

69.8655, 68.4802, 88.8926



Tritanopia

62.7640, 68.5659, 90.8154

Trichromacy



Original Color

62.1936, 68.7298, 87.8301

Protanomaly

64.6903, 68.5170, 85.4169

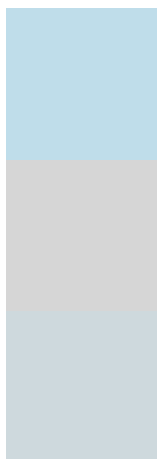
Deuteranomaly

66.7735, 68.3874, 88.2780

Tritanomaly

62.6175, 68.5073, 90.0437

Monochromacy



Original Color

62.1936, 68.7298, 87.8301

Achromatopsia

63.9157, 67.2443, 73.2291

Achromatomaly

63.3176, 67.9680, 78.1886

CSS Examples

Text

The CSS property to change the color of the text to XYZ 62.1936, 68.7298, 87.8301 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(191, 221, 234)` looks like.

```
.text, #text, p{  
    color:rgb(191, 221, 234)  
}
```

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(191, 221, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 221, 234) }
```

Border

The CSS property to change the border of an element to XYZ 62.1936, 68.7298, 87.8301 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(191, 221, 234) }
```


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

```
.border{ border-color:rgb(191, 221, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 221, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 221, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 221, 234);  
box-shadow:4px 4px 4px 4px rgb(191, 221,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 62.1936, 68.7298, 87.8301 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 221, 234) }
```

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

```
.background{ background-color: rgb(191,  
221, 234) }
```

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