

Converting Colors

XYZ(67.1956, 72.3855, 80.9524)

Have a look what the booklet for
XYZ(67.1956, 72.3855, 80.9524)
contains.

XYZ(66.9936, 72.1542, 80.9172)	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(66.9936, 72.1542,
80.9172)**

Conversions

Conversions Part 1

Format	Color
Hex	D4DFE0
RGB	212, 223, 224
RGB Percent	83%, 87%, 88%
CMY	0.1686, 0.1255, 0.1216
CMYK	0.05, 0.00, 0.00, 0.12
HSL	185°, 16%, 85%
HSV	185°, 5%, 88%
XYZ	66.9936, 72.1542, 80.9172
YIQ	219.8250, -6.8770, -2.0210

Conversions

Conversions Part 2

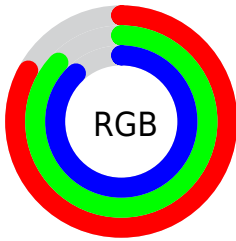
Format	Color
R _Y B	212, 218, 224
Decimal	13950944
CIE Lab	88.04, -3.49, -1.77
CIE LCh	88, 3.911, 206.968
Yxy	72.1542, 0.3044, 0.3279
Android (android.graphics.Color)	4292141024 (0xFFD4DFE0)
YUV	219.8250, 2.0583, -6.8625
Hunter-Lab	84.9436, -7.8714, 2.9810

Details

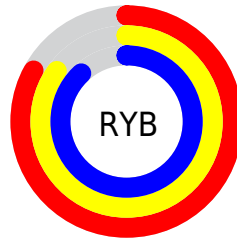
The XYZ color **66.9936, 72.1542, 80.9172** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **66.4186, 68.1887, 71.9496**, and the grayscale version is **67.8968, 71.4327, 77.7902**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.0687, 38.0379, 43.0299** is the 20% darker color. If you saturate the color by 10%, you get **60.4853, 68.0673, 80.4725**, and if you desaturate by 10%, it is **74.4073, 76.7200, 81.4088**.

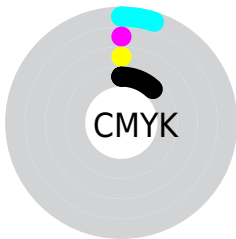
Distribution



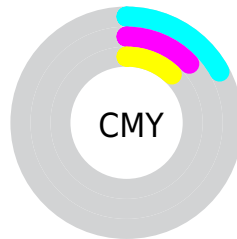
- Red (83%)
- Green (87%)
- Blue (88%)



- Red (83%)
- Yellow (85%)
- Blue (88%)



- Cyan (5%)
- Magenta (0%)
- Yellow (0%)
- Black (12%)



- Cyan (17%)
- Magenta (13%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 66.9936, 72.1542, 80.9172 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 66.9936, 72.1542, 80.9172 by changing the saturation by 10% instead.

■ 66.9936, 72.1542,
80.9172

■ 66.9936, 72.1542,
80.9172

439.3548,
468.0781, 517.8066

■ 49.3501, 53.2847,
59.9428

113.9611,
122.2757, 136.4775

■ 35.1130, 38.0301,
42.9475

144.0158,
154.2965, 171.9005

■ 23.9168, 26.0060,
29.5129

178.9383,
191.4698, 212.9768

■ 15.3963, 16.8281,
19.2202

219.0939,
234.1801, 260.1250

■ 9.1861, 10.1120,
11.6511

264.8480,
282.8116, 313.7635

■ 4.9209, 5.4733,
6.3869

316.5660,

■ 2.2352, 2.5276,

337.7489, 374.3109

3.0092

374.6131,
399.3763, 442.1857

■ 0.7612, 0.8904,
1.0993

■ 0.0000, 0.0000,
0.0000

■ 66.9936, 72.1542,
80.9172

■ 66.9936, 72.1542,
80.9172

■ 60.4853, 68.0673,
80.4725

■ 74.4073, 76.7200,
81.4088

■ 54.8396, 64.4311,
80.0682

■ 82.0888, 81.4299,
81.9131

■ 50.0193, 61.2285,
79.7041

■ 82.5995, 82.4514,
82.0833

■ 45.9822, 58.4377,
79.3782

■ 83.1157, 83.4839,
82.2554

■ 42.6822, 56.0349,
79.0883

■ 83.6375, 84.5274,
82.4293

■ 40.0686, 53.9939,
78.8321

■ 84.1648, 85.5820,
82.6051

■ 38.0840, 52.2851,
78.6069

■ 84.6977, 86.6478,
82.7827

■ 36.6617, 50.8742,
78.4095

■ 85.2362, 87.7247,
82.9622

■ 35.7198, 49.7188,
78.2361

■ 85.7802, 88.8128,
83.1436

Harmonies

Analogous

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



66.8042, 72.1542, 78.2922



66.9936, 72.1542, 80.9172



67.6070, 72.1542, 82.9511

Triad

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



66.9936, 72.1542, 80.9172



70.0957, 72.1542, 81.3983



68.6753, 72.1542, 73.5430

Complementary

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



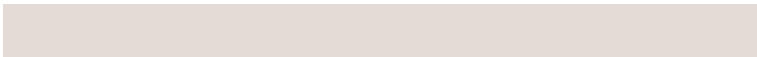
66.9936, 72.1542, 80.9172



66.4186, 68.1887, 71.9496

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.



69.5631, 72.1542, 74.3337



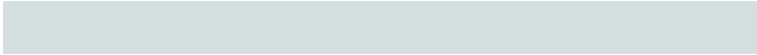
66.9936, 72.1542, 80.9172



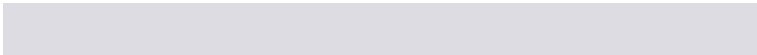
70.3879, 72.1542, 78.8358

Square

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



66.9936, 72.1542, 80.9172



69.3973, 72.1542, 83.2332



70.1921, 72.1542, 76.2562



67.7699, 72.1542, 74.0721

Rectangle

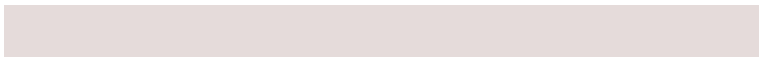
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



66.9936, 72.1542, 80.9172



68.1766, 72.1542, 83.6772



70.1921, 72.1542, 76.2562



68.9858, 72.1542, 73.6628

Sweetspot

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



66.9957, 72.1573, 80.9188



93.0636, 98.7756, 108.7684



65.7930, 72.1035, 73.2686



19.9402, 21.1549, 23.2823



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

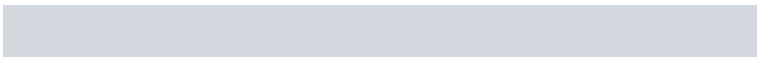
The Same Dimension uses a secret algorithm to generate beautiful new colors.



66.9957, 72.1573, 80.9188



89.2394, 96.4048, 108.5123



65.4715, 69.1089, 80.4107



14.4293, 15.6269, 17.6435



20.6357, 28.7410, 45.5083



1.4595, 2.0505, 3.1641

Inverse Universe

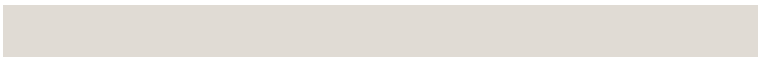
The Inverse Universe completely reimagines the original color for something new.



67.6048, 68.2634, 79.4286



90.1579, 90.5421, 106.2635



67.9046, 71.1607, 72.4449



14.5923, 14.5881, 17.2442



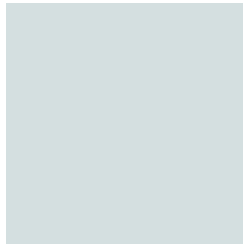
24.3561, 11.8095, 34.8709



1.7029, 0.8245, 2.4945

Previews

White Background



This preview shows how the XYZ color 66.9936, 72.1542, 80.9172 looks on a white background.

Color Contrast Check

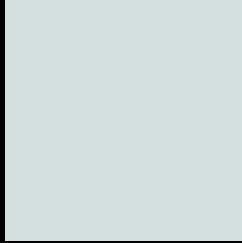
Large Text (above 18pt) WCAG AA × Fail

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 66.9936, 72.1542, 80.9172 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

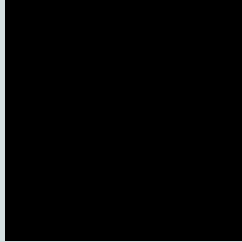
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

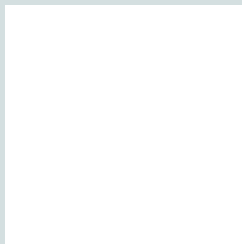
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 66.9936, 72.1542, 80.9172

Background



This preview shows how black text looks on a background with the XYZ color 66.9936, 72.1542, 80.9172.

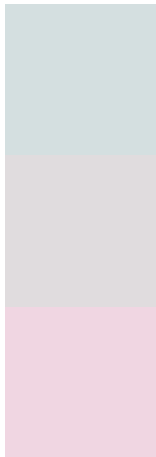


This preview shows how white text looks on a background with the XYZ color 66.9936, 72.1542,

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

66.9936, 72.1542, 80.9172

Protanopia

69.5185, 72.3076, 79.4000

Deuteranopia

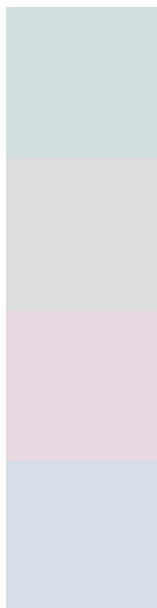
73.7092, 72.1094, 81.9851



Tritanopia

69.0206, 72.1821, 91.1837

Trichromacy



Original Color

66.9936, 72.1542, 80.9172

Protanomaly

68.6909, 72.2563, 80.1385

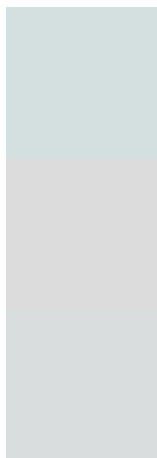
Deuteranomaly

71.0366, 71.8849, 81.3653

Tritanomaly

68.2698, 72.2719, 87.4425

Monochromacy



Original Color

66.9936, 72.1542, 80.9172

Achromatopsia

68.0267, 71.5694, 77.9390

Achromatomaly

67.5229, 71.6851, 78.6844

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.9936, 72.1542, 80.9172 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(212, 223, 224) looks like.

```
.text, #text, p{  
    color:rgb(212, 223, 224)  
}
```

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(212, 223, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 223, 224) }
```

Border

The CSS property to change the border of an element to XYZ 66.9936, 72.1542, 80.9172 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(212, 223, 224) }
```


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

```
.border{ border-color:rgb(212, 223, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 223, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 223, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 223, 224);  
box-shadow:4px 4px 4px 4px rgb(212, 223,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 66.9936, 72.1542, 80.9172 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 223, 224) }
```

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

```
.background{ background-color: rgb(212,  
223, 224) }
```

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