

Converting Colors

XYZ(64.5678, 68.3634, 76.7725)

Have a look what the booklet for
XYZ(64.5678, 68.3634, 76.7725)
contains.

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Color

**XYZ(64.4934, 68.2233,
76.7871)**

Conversions

Conversions Part 1

Format	Color
Hex	D4D8DB
RGB	212, 216, 219
RGB Percent	83%, 85%, 86%
CMY	0.1686, 0.1529, 0.1412
CMYK	0.03, 0.01, 0.00, 0.14
HSL	206°, 9%, 85%
HSV	206°, 3%, 86%
XYZ	64.4934, 68.2233, 76.7871
YIQ	215.1460, -3.3470, 0.0850

Conversions

Conversions Part 2

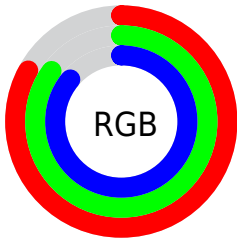
Format	Color
R _Y B	212, 215, 219
Decimal	13949147
CIE Lab	86.12, -0.80, -1.96
CIE LCh	86, 2.112, 247.878
Yxy	68.2233, 0.3078, 0.3256
Android (android.graphics.Color)	4292139227 (0xFFD4D8DB)
YUV	215.1460, 1.9000, -2.7590
Hunter-Lab	82.5974, -5.1697, 2.6989

Details

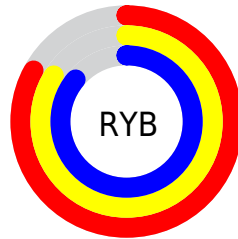
The XYZ color **64.4934, 68.2233, 76.7871** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **65.3975, 68.4135, 72.0465**, and the grayscale version is **64.6810, 68.0495, 74.1059**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **33.3503, 35.3382, 40.1852** is the 20% darker color. If you saturate the color by 10%, you get **56.2705, 60.5219, 75.7350**, and if you desaturate by 10%, it is **73.7136, 76.6460, 77.9279**.

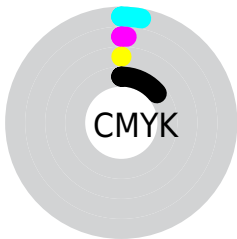
Distribution



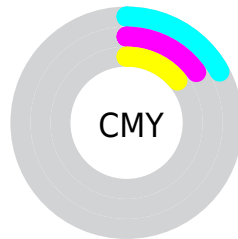
- Red (83%)
- Green (85%)
- Blue (86%)



- Red (83%)
- Yellow (84%)
- Blue (86%)



- Cyan (3%)
- Magenta (1%)
- Yellow (0%)
- Black (14%)



- Cyan (17%)
- Magenta (15%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.4934, 68.2233, 76.7871 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 64.4934, 68.2233, 76.7871 by changing the saturation by 10% instead.

■ 64.4934, 68.2233,
76.7871

■ 64.4934, 68.2233,
76.7871

430.5433,
454.2868, 503.4562

■ 47.3136, 50.0794,
56.5676

110.3910,
116.6715, 130.6092

■ 33.4926, 35.4765,
40.2512

139.8395,
147.7447, 165.0489

■ 22.6651, 24.0302,
27.4192

174.1082,
183.8964, 205.0657

■ 14.4658, 15.3560,
17.6531

213.5625,
225.5110, 251.0783

■ 8.5292, 9.0696,
10.5343

258.5679,
272.9729, 303.5050

■ 4.4900, 4.7866,
5.6444

309.4895,

■ 1.9829, 2.1226,

326.6666, 362.7646

2.5648

366.6929,
386.9764, 429.2755

■ 0.6243, 0.6773,
0.8742

■ 0.0000, 0.0000,
0.0000

■ 64.4934, 68.2233,
76.7871

■ 64.4934, 68.2233,
76.7871

■ 56.2705, 60.5219,
75.7350

■ 73.7136, 76.6460,
77.9279

■ 49.0024, 53.5109,
74.7648

■ 83.6641, 85.6499,
79.1414

■ 42.6523, 47.1698,
73.8756

■ 86.4153, 91.1524,
80.0585

■ 37.1786, 41.4735,
73.0646

■ 89.3100, 96.9419,
81.0234

■ 32.5360, 36.3951,
72.3290

■ 89.7864, 97.8946,
81.1822

■ 28.6751, 31.9053,
71.6659

■ 25.5406, 27.9718,
71.0719

■ 23.0691, 24.5580,
70.5432

■ 21.1843, 21.6203,
70.0755

Harmonies

Analogous

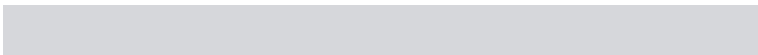
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



64.1104, 68.2233, 75.9367



64.4934, 68.2233, 76.7871



64.9722, 68.2233, 76.9626

Triad

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



64.4934, 68.2233, 76.7871



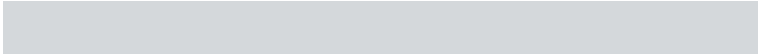
65.7730, 68.2233, 73.9179



64.2729, 68.2233, 72.1939

Complementary

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



64.4934, 68.2233, 76.7871



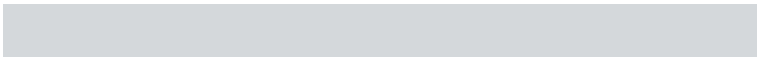
65.3975, 68.4135, 72.0465

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.



64.7164, 68.2233, 71.6675



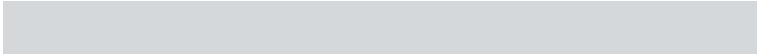
64.4934, 68.2233, 76.7871



65.5836, 68.2233, 72.6547

Square

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



64.4934, 68.2233, 76.7871



65.7126, 68.2233, 75.2946



65.1963, 68.2233, 71.8351



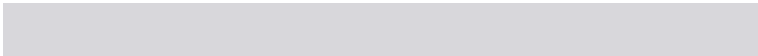
63.9835, 68.2233, 73.2816

Rectangle

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



64.4934, 68.2233, 76.7871



65.2815, 68.2233, 76.6712



65.1963, 68.2233, 71.8351



64.4088, 68.2233, 71.9460

Sweetspot

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



64.4953, 68.2262, 76.7886



93.7708, 98.8251, 108.7406



64.7389, 69.5632, 74.2497



20.0843, 21.1651, 23.2767



0.0000, 0.0000, 0.0000



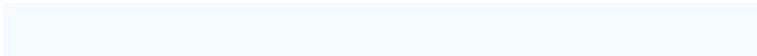
20.3446, 21.4041, 23.3091

Same Dimension

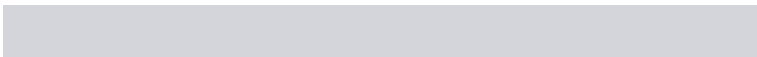
The Same Dimension uses a secret algorithm to generate beautiful new colors.



64.4953, 68.2262, 76.7886



90.0194, 95.3625, 108.2700



63.6281, 66.4916, 76.4995



13.8132, 14.6500, 16.7518



12.0605, 11.9904, 41.4171



0.8662, 0.9465, 2.7115

Inverse Universe

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



65.1530, 67.1061, 74.4881



91.1869, 93.3858, 104.1839



66.2777, 70.1738, 72.3399



14.0240, 14.2949, 16.0138



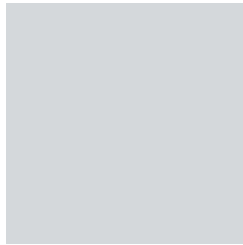
19.5829, 9.8342, 12.7155



1.3115, 0.6542, 1.0494

Previews

White Background



This preview shows how the XYZ color 64.4934, 68.2233, 76.7871 looks on a white background.

Color Contrast Check

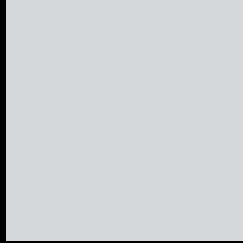
Large Text (above 18pt) WCAG AA × Fail

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 64.4934, 68.2233, 76.7871 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

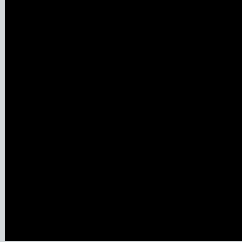
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

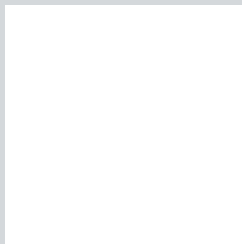
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 64.4934, 68.2233, 76.7871

Background



This preview shows how black text looks on a background with the XYZ color 64.4934, 68.2233, 76.7871.

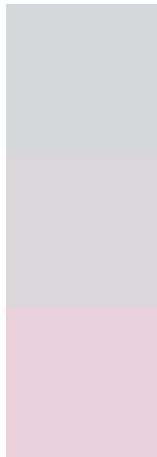


This preview shows how white text looks on a background with the XYZ color 64.4934, 68.2233,

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

64.4934, 68.2233, 76.7871

Protanopia

65.6149, 68.0605, 76.0084

Deuteranopia

69.6504, 68.2607, 77.2148



Tritanopia

66.2019, 68.1588, 85.2681

Trichromacy



Original Color

64.4934, 68.2233, 76.7871

Protanomaly

65.2742, 68.2618, 76.0652

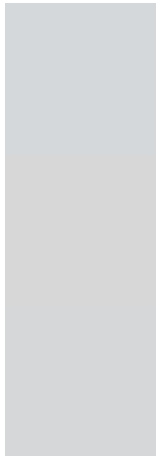
Deuteranomaly

67.8258, 68.4230, 77.3423

Tritanomaly

65.6061, 68.2931, 82.3971

Monochromacy



Original Color

64.4934, 68.2233, 76.7871

Achromatopsia

64.5905, 67.9542, 74.0022

Achromatomaly

64.4267, 67.8549, 74.6674

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.4934, 68.2233, 76.7871 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, 216, 219) looks like.

```
.text, #text, p{  
    color:rgb(212, 216, 219)  
}
```

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, 216, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 216, 219) }
```

Border

The CSS property to change the border of an element to XYZ 64.4934, 68.2233, 76.7871 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, 216, 219) }
```


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

```
.border{ border-color:rgb(212, 216, 219) }
```

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

Here you see how a box with a 4 pixel rgb(212, 216, 219) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 216, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 216, 219);  
box-shadow:4px 4px 4px 4px rgb(212, 216,  
219) }
```

Background

The CSS property to change the background color of an element to XYZ 64.4934, 68.2233, 76.7871 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 216, 219) }
```

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

```
.background{ background-color: rgb(212,  
216, 219) }
```

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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