

Converting Colors

XYZ(69.7443, 69.8623, 77.6324)

Have a look what the booklet for
XYZ(69.7443, 69.8623, 77.6324)
contains.

XYZ(69.6675, 69.7447, 77.5004)	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(69.6675, 69.7447,
77.5004)**

Conversions

Conversions Part 1

Format	Color
Hex	E7D5DC
RGB	231, 213, 220
RGB Percent	91%, 84%, 86%
CMY	0.0941, 0.1647, 0.1372
CMYK	0.00, 0.08, 0.05, 0.09
HSL	337°, 27%, 87%
HSV	337°, 8%, 91%
XYZ	69.6675, 69.7447, 77.5004
YIQ	219.1800, 8.4810, 5.9930

Conversions

Conversions Part 2

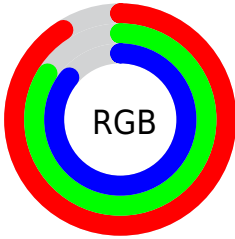
Format	Color
R _{YB}	231, 213, 220
Decimal	15193564
CIE Lab	86.87, 7.41, -1.21
CIE LCh	87, 7.503, 350.747
Yxy	69.7447, 0.3212, 0.3215
Android (android.graphics.Color)	4293383644 (0xFFE7D5DC)
YUV	219.1800, 0.4043, 10.3661
Hunter-Lab	83.5133, 2.7580, 3.4381

Details

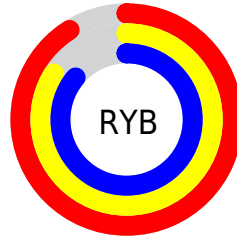
The XYZ color **69.6675, 69.7447, 77.5004** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **69.4736, 76.6816, 81.6640**, and the grayscale version is **67.4517, 70.9644, 77.2802**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.6976, 36.2843, 40.6667** is the 20% darker color. If you saturate the color by 10%, you get **62.4746, 58.2255, 66.2632**, and if you desaturate by 10%, it is **77.8499, 82.9883, 89.8484**.

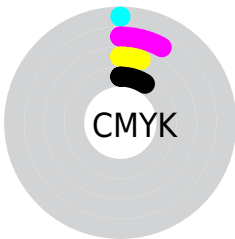
Distribution



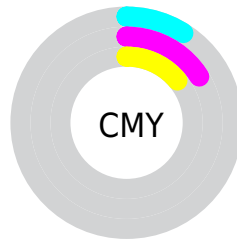
- Red (91%)
- Green (84%)
- Blue (86%)



- Red (91%)
- Yellow (84%)
- Blue (86%)



- Cyan (0%)
- Magenta (8%)
- Yellow (5%)
- Black (9%)



- Cyan (9%)
- Magenta (16%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.6675, 69.7447, 77.5004 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 69.6675, 69.7447, 77.5004 by changing the saturation by 10% instead.

69.6675, 69.7447,
77.5004

69.6675, 69.7447,
77.5004

448.6663,
459.6531, 505.9514

51.5341, 51.3184,
57.1497

117.7633,
118.8446, 131.6251

36.8566, 36.4621,
40.7152

148.4565,
150.2870, 166.2361

25.2697, 24.7913,
27.7786

184.0669,
186.8370, 206.4375

16.4079, 15.9216,
17.9213

224.9601,
228.8788, 252.6481

9.9059, 9.4687,
10.7246

271.5012,
276.7969, 305.2862

5.3984, 5.0481,
5.7701

324.0557,

2.5200, 2.2755,

330.9758, 364.7704

2.6393

382.9890,
391.7997, 431.5193

■ 0.9054, 0.7607,
0.9126

■ 0.0000, 0.0000,
0.0000

■ 69.6675, 69.7447,
77.5004

■ 69.6675, 69.7447,
77.5004

■ 62.4746, 58.2255,
66.2632

■ 77.8499, 82.9883,
89.8484

■ 56.2265, 48.3505,
56.1003

■ 85.6961, 95.3014,
102.8813

■ 50.8841, 40.0464,
46.9795

■ 86.7654, 95.7291,
108.5123

■ 46.4027, 33.2312,
38.8651

■ 42.7340, 27.8149,
31.7194

■ 39.8245, 23.6982,
25.5018

■ 37.6138, 20.7680,
20.1681

■ 36.0317, 18.8918,
15.6696

■ 34.9833, 17.8889,
11.9476

Harmonies

Analogous

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



68.9305, 69.7447, 82.2031



69.6675, 69.7447, 77.5004



69.4873, 69.7447, 72.5769

Triad

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



69.6675, 69.7447, 77.5004



65.1053, 69.7447, 67.2791



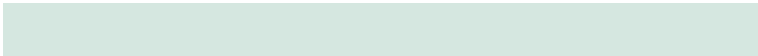
64.1836, 69.7447, 83.6504

Complementary

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



69.6675, 69.7447, 77.5004



69.4736, 76.6816, 81.6640

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.



63.1927, 69.7447, 79.4057



69.6675, 69.7447, 77.5004



63.7183, 69.7447, 70.0036

Square

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



69.6675, 69.7447, 77.5004



66.8328, 69.7447, 66.8193



63.0239, 69.7447, 74.4009



65.7506, 69.7447, 85.8553

Rectangle

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



69.6675, 69.7447, 77.5004



68.8726, 69.7447, 69.8214



63.0239, 69.7447, 74.4009



63.7733, 69.7447, 82.4063

Sweetspot

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



69.6695, 69.7477, 77.5019



92.9466, 96.5899, 105.7429



68.8990, 69.1766, 85.3233



19.9165, 20.7099, 22.6665



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.



69.6695, 69.7477, 77.5019



85.9837, 85.3506, 95.1398



69.2171, 70.2951, 72.8746



14.6078, 14.4603, 16.1350



19.5615, 9.9588, 6.5859



1.4900, 0.7537, 0.7207

Inverse Universe

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



69.6695, 69.7477, 77.5019



85.9837, 85.3506, 95.1398



69.9413, 76.0668, 86.5983



14.6078, 14.4603, 16.1350



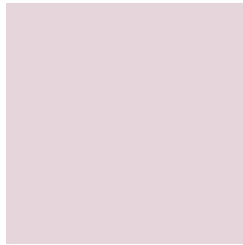
19.5615, 9.9588, 6.5859



1.4900, 0.7537, 0.7207

Previews

White Background



This preview shows how the XYZ color 69.6675, 69.7447, 77.5004 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 69.6675, 69.7447, 77.5004 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

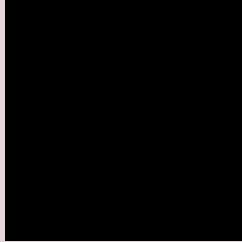
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

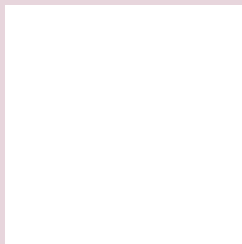
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 69.6675, 69.7447, 77.5004

Background



This preview shows how black text looks on a background with the XYZ color 69.6675, 69.7447, 77.5004.

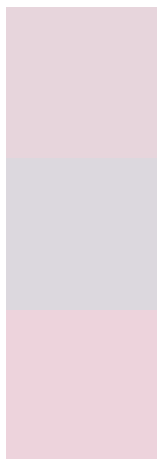


This preview shows how white text looks on a background with the XYZ color 69.6675, 69.7447,

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

69.6675, 69.7447, 77.5004

Protanopia

67.2559, 69.6013, 78.9969

Deuteranopia

71.1376, 69.7604, 77.4259



Tritanopia

70.8258, 69.8442, 83.1471

Trichromacy



Original Color

69.6675, 69.7447, 77.5004

Protanomaly

68.0921, 69.6686, 78.2652

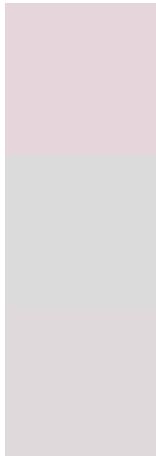
Deuteranomaly

70.7227, 69.9164, 77.4779

Tritanomaly

70.4128, 69.6790, 80.9724

Monochromacy



Original Color

69.6675, 69.7447, 77.5004

Achromatopsia

67.3311, 70.8376, 77.1421

Achromatomaly

68.0305, 70.4282, 77.0262

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.6675, 69.7447, 77.5004 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(231, 213, 220) looks like.

```
.text, #text, p{  
    color:rgb(231, 213, 220)  
}
```

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(231, 213, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 213, 220) }
```

Border

The CSS property to change the border of an element to XYZ 69.6675, 69.7447, 77.5004 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(231, 213, 220) }
```


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

```
.border{ border-color:rgb(231, 213, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 213, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 213, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 213, 220);  
box-shadow:4px 4px 4px 4px rgb(231, 213,  
220) }
```

Background

The CSS property to change the background color of an element to XYZ 69.6675, 69.7447, 77.5004 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 213, 220) }
```

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

```
.background{ background-color: rgb(231,  
213, 220) }
```

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