

Converting Colors

XYZ(67.7531, 71.5785, 76.4467)

Have a look what the booklet for
XYZ(67.7531, 71.5785, 76.4467)
contains.

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Color

**XYZ(67.7633, 71.4640,
76.5521)**

Conversions

Conversions Part 1

Format	Color
Hex	DCDCDA
RGB	220, 220, 218
RGB Percent	86%, 86%, 85%
CMY	0.1372, 0.1372, 0.1451
CMYK	0.00, 0.00, 0.01, 0.14
HSL	60°, 3%, 86%
HSV	60°, 1%, 86%
XYZ	67.7633, 71.4640, 76.5521
YIQ	219.7720, 0.6420, -0.6220

Conversions

Conversions Part 2

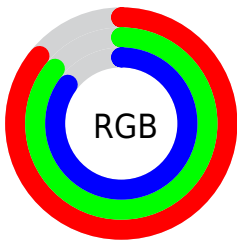
Format	Color
R _Y B	218, 220, 218
Decimal	14474458
CIE Lab	87.71, -0.35, 0.97
CIE LCh	88, 1.033, 110.024
Yxy	71.4640, 0.3140, 0.3312
Android (android.graphics.Color)	4292664538 (0xFFDCDCDA)
YUV	219.7720, -0.8736, 0.2000
Hunter-Lab	84.5364, -4.8553, 5.4853

Details

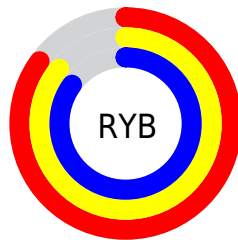
The XYZ color **67.7633, 71.4640, 76.5521** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **66.9058, 70.2175, 77.7408**, and the grayscale version is **67.8759, 71.4107, 77.7663**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.5830, 37.5539, 40.0235** is the 20% darker color. If you saturate the color by 10%, you get **65.0614, 70.3840, 62.3816**, and if you desaturate by 10%, it is **70.8514, 72.7030, 92.7385**.

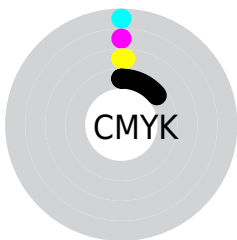
Distribution



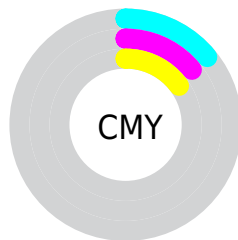
- Red (86%)
- Green (86%)
- Blue (85%)



- Red (85%)
- Yellow (86%)
- Blue (85%)



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.7633, 71.4640, 76.5521 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 67.7633, 71.4640, 76.5521 by changing the saturation by 10% instead.

■ 67.7633, 71.4640,
76.5521

■ 67.7633, 71.4640,
76.5521

442.0468,
465.6738, 502.6326

■ 49.9782, 52.7209,
56.3760

115.0572,
121.2942, 130.2743

■ 35.6138, 37.5800,
40.0984

145.2967,
153.1501, 164.6574

■ 24.3048, 25.6569,
27.3009

180.4184,
190.1457, 204.6132

■ 15.6858, 16.5672,
17.5649

220.7876,
232.6655, 250.5604

■ 9.3915, 9.9264,
10.4719

266.7697,
281.0938, 302.9173

■ 5.0566, 5.3502,
5.6033

318.7300,

■ 2.3156, 2.4541,

335.8150, 362.1027

2.5405

377.0339,
397.2136, 428.5349

■ 0.8026, 0.8535,
0.8615

■ 0.0000, 0.0000,
0.0000

■ 67.7633, 71.4640,
76.5521

■ 67.7633, 71.4640,
76.5521

■ 65.0614, 70.3840,
62.3816

■ 70.8514, 72.7030,
92.7385

■ 62.7248, 69.4479,
50.1435

■ 73.1857, 73.6382,
104.9640

■ 60.7396, 68.6524,
39.7557

■ 73.1984, 73.6447,
104.9646

■ 59.0886, 67.9905,
31.1281

■ 73.2111, 73.6513,
104.9652

■ 57.7534, 67.4550,
24.1632

■ 73.2239, 73.6579,
104.9658

■ 56.7136, 67.0376,
18.7542

■ 73.2366, 73.6644,
104.9664

■ 55.9466, 66.7293,
14.7815

■ 73.2494, 73.6710,
104.9670

■ 55.4264, 66.5198,
12.1086

■ 73.2621, 73.6776,
104.9676

■ 55.1221, 66.3966,
10.5722

■ 73.2749, 73.6841,
104.9682

Harmonies

Analogous

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



68.0060, 71.4640, 76.4917



67.7633, 71.4640, 76.5521



67.5642, 71.4640, 76.9490

Triad

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



67.7633, 71.4640, 76.5521



67.6223, 71.4640, 78.8500



68.3892, 71.4640, 78.0460

Complementary

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



67.7633, 71.4640, 76.5521



66.9058, 70.2175, 77.7408

Split Complementary

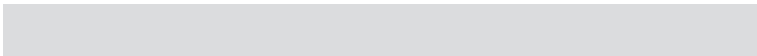
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



68.2858, 71.4640, 78.6817



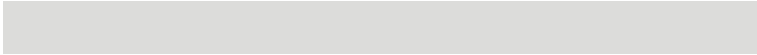
67.7633, 71.4640, 76.5521



67.8429, 71.4640, 79.1477

Square

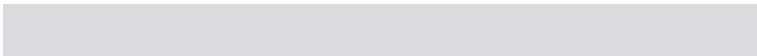
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



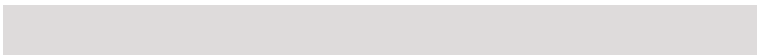
67.7633, 71.4640, 76.5521



67.4830, 71.4640, 78.2748



68.0857, 71.4640, 79.0859



68.3677, 71.4640, 77.3514

Rectangle

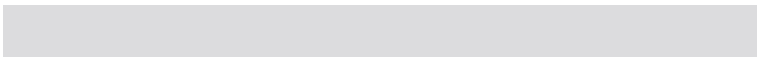
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



67.7633, 71.4640, 76.5521



67.4828, 71.4640, 77.3524



68.0857, 71.4640, 79.0859



68.3679, 71.4640, 78.2737

Sweetspot

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



67.7653, 71.4671, 76.5537

95.0500, 100.0000, 108.9000



67.2437, 70.4221, 76.3795



20.3446, 21.4041, 23.3091



0.0000, 0.0000, 0.0000

Same Dimension

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



67.7653, 71.4671, 76.5537



94.6403, 99.8359, 106.7520



67.4641, 71.3118, 76.5396



14.6613, 15.4635, 16.5543



32.2692, 38.9329, 5.8140



2.0914, 2.5227, 0.3767

Inverse Universe

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



66.9058, 70.2175, 77.7408



93.3117, 97.9043, 108.5871



67.2052, 70.3718, 77.7548



14.4687, 15.1835, 16.8203



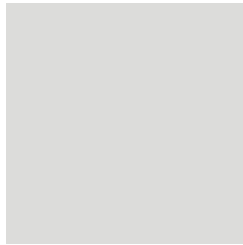
7.5857, 3.0348, 39.9244



0.4923, 0.1970, 2.5865

Previews

White Background



This preview shows how the XYZ color 67.7633, 71.4640, 76.5521 looks on a white background.

Color Contrast Check

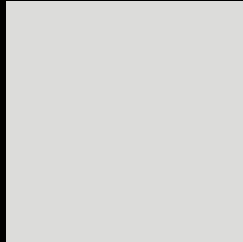
Large Text (above 18pt) WCAG AA × Fail

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 67.7633, 71.4640, 76.5521 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

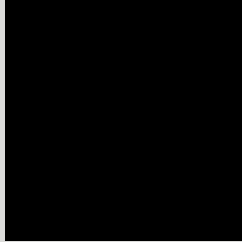
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

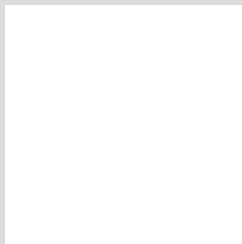
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 67.7633, 71.4640, 76.5521

Background



This preview shows how black text looks on a background with the XYZ color 67.7633, 71.4640, 76.5521.

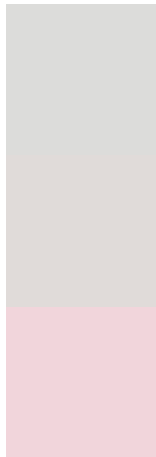


This preview shows how white text looks on a background with the XYZ color 67.7633, 71.4640,

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

67.7633, 71.4640, 76.5521

Protanopia

68.5964, 71.5201, 75.8350

Deuteranopia

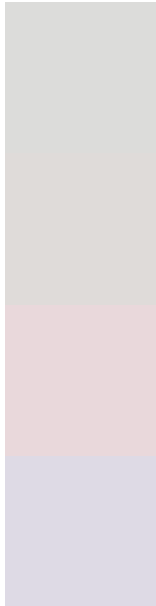
72.8561, 71.4037, 76.9602



Tritanopia

70.2397, 71.3118, 88.6598

Trichromacy



Original Color

67.7633, 71.4640, 76.5521

Protanomaly

68.2873, 71.3608, 75.8205

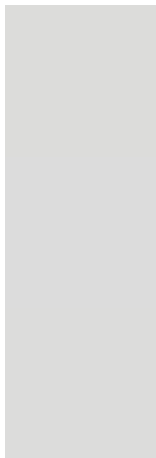
Deuteranomaly

70.9463, 71.5498, 77.0891

Tritanomaly

69.3385, 71.3295, 84.2422

Monochromacy



Original Color

67.7633, 71.4640, 76.5521

Achromatopsia

68.0267, 71.5694, 77.9390

Achromatomaly

67.8946, 71.5165, 77.2435

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.7633, 71.4640, 76.5521 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(220, 220, 218) looks like.

```
.text, #text, p{  
    color:rgb(220, 220, 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(220, 220, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 220, 218) }
```

Border

The CSS property to change the border of an element to XYZ 67.7633, 71.4640, 76.5521 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(220, 220, 218) }
```

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

```
.border{ border-color:rgb(220, 220, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 220, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 220, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 220, 218);  
box-shadow:4px 4px 4px 4px rgb(220, 220,  
218) }
```


Background

The CSS property to change the background color of an element to XYZ 67.7633, 71.4640, 76.5521 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 220, 218) }
```

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

```
.background{ background-color: rgb(220,  
220, 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](#).

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