

Converting Colors

XYZ(67.3634, 70.9013, 77.1536)

Have a look what the booklet for
XYZ(67.3634, 70.9013, 77.1536)
contains.

XYZ(67.3311, 70.8376, 77.1421)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

**XYZ(67.3311, 70.8376,
77.1421)**

Conversions

Conversions Part 1

Format	Color
Hex	DBDBDB
RGB	219, 219, 219
RGB Percent	86%, 86%, 86%
CMY	0.1412, 0.1412, 0.1412
CMYK	0.00, 0.00, 0.00, 0.14
HSL	122°, 0%, 86%
HSV	122°, 0%, 86%
XYZ	67.3311, 70.8376, 77.1421
YIQ	219.0000, 0.0000, -0.0000

Conversions

Conversions Part 2

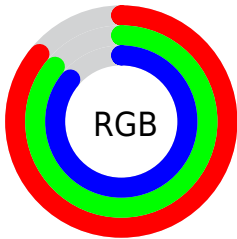
Format	Color
R _Y B	219, 219, 219
Decimal	14408667
CIE Lab	87.41, 0.00, -0.01
CIE LCh	87, 0.010, 296.478
Yxy	70.8376, 0.3127, 0.3290
Android (android.graphics.Color)	4292598747 (0xFFDBDBDB)
YUV	219.0000, 0.0000, 0.0000
Hunter-Lab	84.1651, -4.4909, 4.5729

Details

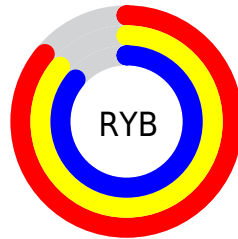
The XYZ color **67.3311, 70.8376, 77.1421** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **67.3337, 70.8394, 77.1459**, and the grayscale version is **67.3337, 70.8403, 77.1451**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.2861, 37.1238, 40.4278** is the 20% darker color. If you saturate the color by 10%, you get **58.5776, 66.6267, 63.1952**, and if you desaturate by 10%, it is **77.3046, 75.6411, 92.9711**.

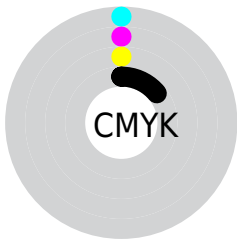
Distribution



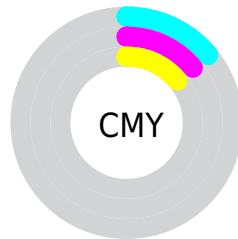
- Red (86%)
- Green (86%)
- Blue (86%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.3311, 70.8376, 77.1421 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 67.3311, 70.8376, 77.1421 by changing the saturation by 10% instead.

■ 67.3311, 70.8376,
77.1421

■ 67.3311, 70.8376,
77.1421

440.5364,
463.4855, 504.6989

■ 49.6254, 52.2097,
56.8573

114.4419,
120.4025, 131.1149

■ 35.3324, 37.1722,
40.4820

144.5777,
152.1082, 165.6399

■ 24.0868, 25.3409,
27.5979

179.5877,
188.9420, 205.7487

■ 15.5231, 16.3312,
17.7864

219.8371,
231.2882, 251.8599

■ 9.2760, 9.7588,
10.6289

265.6913,
279.5313, 304.3920

■ 4.9802, 5.2393,
5.7069

317.5157,

■ 2.2703, 2.3884,

334.0556, 363.7635

2.6018

375.6756,
395.2455, 430.3929

■ 0.7794, 0.8199,
0.8934

■ 0.0000, 0.0000,
0.0000

■ 67.3311, 70.8376,
77.1421

■ 67.3311, 70.8376,
77.1421

■ 58.5776, 66.6267,
63.1952

■ 77.3046, 75.6411,
92.9711

■ 50.9915, 62.9767,
51.0558

■ 84.6229, 79.1458,
105.4243

■ 44.5253, 59.8669,
40.6516

■ 39.1260, 57.2715,
31.9031

■ 34.7363, 55.1628,
24.7252

■ 31.2933, 53.5105,
19.0247

■ 28.7273, 52.2808,
14.6990

■ 26.9591, 51.4353,
11.6321

■ 25.8950, 50.9286,
9.6891

Harmonies

Analogous

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



67.3287, 70.8376, 77.1435



67.3311, 70.8376, 77.1421



67.3329, 70.8376, 77.1375

Triad

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



67.3311, 70.8376, 77.1421



67.3316, 70.8376, 77.1189



67.3243, 70.8376, 77.1293

Complementary

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



67.3311, 70.8376, 77.1421



67.3337, 70.8394, 77.1459

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.



67.3251, 70.8376, 77.1227



67.3311, 70.8376, 77.1421



67.3293, 70.8376, 77.1167

Square

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



67.3311, 70.8376, 77.1421



67.3332, 70.8376, 77.1241



67.3269, 70.8376, 77.1181



67.3248, 70.8376, 77.1361

Rectangle

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



67.3311, 70.8376, 77.1421



67.3336, 70.8376, 77.1332



67.3269, 70.8376, 77.1181



67.3245, 70.8376, 77.1270

Sweetspot

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



67.3331, 70.8406, 77.1436

95.0500, 100.0000, 108.9000



67.3342, 70.8412, 77.1436



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.



67.3331, 70.8406, 77.1436

95.0500, 100.0000, 108.9000



67.3334, 70.8407, 77.1450



14.7206, 15.4872, 16.8656



15.0591, 30.0563, 5.2107



0.9833, 1.9503, 0.3783

Inverse Universe

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



67.3337, 70.8394, 77.1459

95.0500, 100.0000, 108.9000



67.3335, 70.8393, 77.1445



14.7206, 15.4872, 16.8656



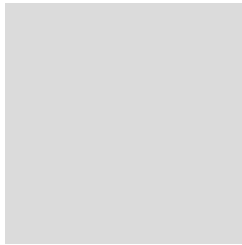
24.2355, 11.6953, 37.2160



1.5774, 0.7606, 2.4494

Previews

White Background



This preview shows how the XYZ color 67.3311, 70.8376, 77.1421 looks on a white background.

Color Contrast Check

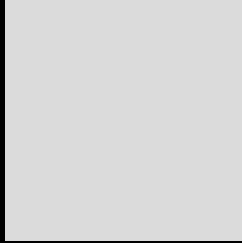
Large Text (above 18pt) WCAG AA × Fail

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 67.3311, 70.8376, 77.1421 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

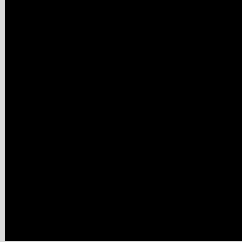
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

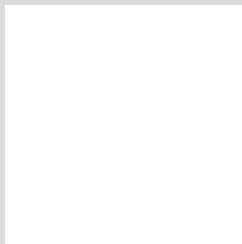
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 67.3311, 70.8376, 77.1421

Background



This preview shows how black text looks on a background with the XYZ color 67.3311, 70.8376, 77.1421.

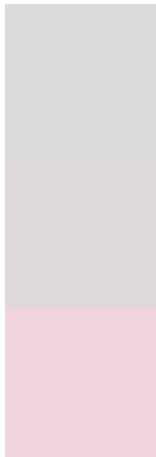


This preview shows how white text looks on a background with the XYZ color 67.3311, 70.8376,

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

67.3311, 70.8376, 77.1421

Protanopia

68.1577, 70.8927, 76.4210

Deuteranopia

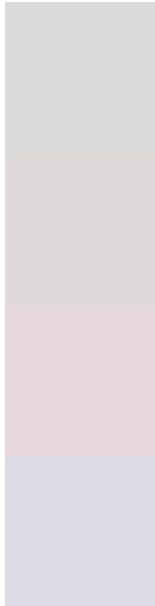
72.0584, 70.6050, 77.5404



Tritanopia

69.4829, 70.9384, 87.8722

Trichromacy



Original Color

67.3311, 70.8376, 77.1421

Protanomaly

67.8505, 70.7344, 76.4067

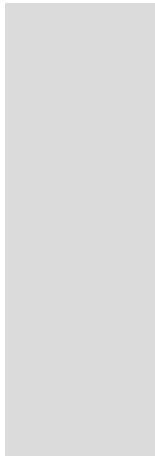
Deuteranomaly

70.4974, 70.9240, 77.6842

Tritanomaly

68.7295, 71.0156, 84.2137

Monochromacy



Original Color

67.3311, 70.8376, 77.1421

Achromatopsia

67.3311, 70.8376, 77.1421

Achromatomaly

67.3311, 70.8376, 77.1421

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.3311, 70.8376, 77.1421 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(219, 219, 219) looks like.

```
.text, #text, p{  
    color:rgb(219, 219, 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(219, 219, 219) colored shadow looks like.

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

Border

The CSS property to change the border of an element to XYZ 67.3311, 70.8376, 77.1421 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(219, 219, 219) }
```

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

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

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

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

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


Background

The CSS property to change the background color of an element to XYZ 67.3311, 70.8376, 77.1421 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

```
.background{ background-color: rgb(219,  
219, 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](#).

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