

# Converting Colors

XYZ(66.2895, 70.2873, 77.3596)

Have a look what the booklet for  
XYZ(66.2895, 70.2873, 77.3596)  
contains.

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# Color

**XYZ(66.1420, 70.2246,  
77.0865)**

# Conversions

Conversions Part 1	
Format	Color
Hex	D7DBDB
RGB	215, 219, 219
RGB Percent	84%, 86%, 86%
CMY	0.1569, 0.1412, 0.1412
CMYK	0.02, 0.00, 0.00, 0.14
HSL	180°, 5%, 85%
HSV	180°, 2%, 86%
XYZ	66.1420, 70.2246, 77.0865
YIQ	217.8040, -2.3840, -0.8480

# Conversions

## Conversions Part 2

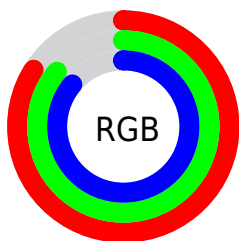
Format	Color
<a href="#">RYB</a>	<a href="#">215, 217, 219</a>
Decimal	<a href="#">14146523</a>
CIELab	<a href="#">87.11, -1.35, -0.48</a>
CIELCh	<a href="#">87, 1.429, 199.716</a>
Yxy	<a href="#">70.2246, 0.3099, 0.3290</a>
Android (android.graphics.Color)	<a href="#">4292336603</a> (0xFFD7DBDB)
YUV	<a href="#">217.8040, 0.5896, -2.4591</a>
Hunter-Lab	<a href="#">83.8001, -5.7632, 4.1201</a>

# Details

The XYZ color **66.1420, 70.2246, 77.0865** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **65.7822, 68.5690, 74.0614**, and the grayscale version is **66.5045, 69.9679, 76.1950**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **34.4735, 36.7048, 40.3898** is the 20% darker color. If you saturate the color by 10%, you get **60.1346, 67.1300, 76.7929**, and if you desaturate by 10%, it is **73.0142, 73.7690, 77.4234**.

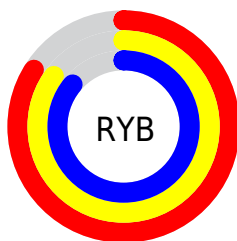
# Distribution



Red (84%)

Green (86%)

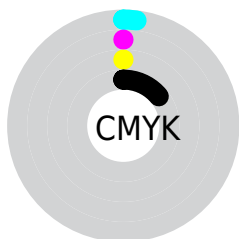
Blue (86%)



Red (84%)

Yellow (85%)

Blue (86%)

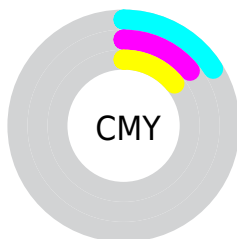


Cyan (2%)

Magenta (0%)

Yellow (0%)

Black (14%)



Cyan (16%)

Magenta (14%)


Yellow (14%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 66.1420, 70.2246, 77.0865 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 66.1420, 70.2246, 77.0865 by changing the saturation by 10% instead.




 66.1420, 70.2246,  
77.0865

 66.1420, 70.2246,  
77.0865


436.3652,  
461.3382, 504.5044

 48.6558, 51.7097,  
56.8119

112.7467,  
119.5290, 131.0357

 34.5599, 36.7737,  
40.4459


142.5960,  
151.0872, 165.5474

 23.4890, 25.0323,  
27.5699


177.2969,  
187.7620, 205.6418

 15.0777, 16.1011,  
17.7655

217.2150,  
229.9378, 251.7376

 8.9606, 9.5958,  
10.6141

262.7155,  
277.9989, 304.2531

 4.7724, 5.1318,  
5.6971


314.1638,


 2.1477, 2.3248,


332.3297, 363.6071


2.5960


371.9252,  
393.3147, 430.2180


 0.7150, 0.7868,  
0.8904

 0.0000, 0.0000,  
0.0000


 66.1420, 70.2246,  
77.0865


 66.1420, 70.2246,  
77.0865


 60.1346, 67.1300,  
76.7929


 73.0142, 73.7690,  
77.4234


 54.9522, 64.4586,  
76.5366


 79.3646, 77.0425,  
77.7345


 50.5605, 62.1949,  
76.3172


 79.3672, 77.0435,  
77.7485


 46.9206, 60.3188,  
76.1330


 79.3699, 77.0446,  
77.7624


 43.9905, 58.8086,  
75.9820


 79.3726, 77.0456,  
77.7764


 41.7236, 57.6403,  
75.8621


 79.3752, 77.0467,  
77.7904


 40.0684, 56.7873,  
75.7708

 79.3779, 77.0478,  
77.8044

 38.9653, 56.2189,  
75.7053

 79.3805, 77.0488,  
77.8184

 38.3429, 55.8984,  
75.6623

 79.3832, 77.0499,  
77.8324

# Harmonies

## Analogous

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



66.1148, 70.2246, 76.1339



66.1420, 70.2246, 77.0865



66.3309, 70.2246, 77.8782

# Triad

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



66.1420, 70.2246, 77.0865



67.2388, 70.2246, 77.6613



66.8614, 70.2246, 74.6623

# Complementary

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



66.1420, 70.2246, 77.0865



65.7822, 68.5690, 74.0614

# 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.



67.1636, 70.2246, 75.0644



66.1420, 70.2246, 77.0865



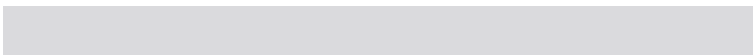
67.3820, 70.2246, 76.7924

# Square

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



66.1420, 70.2246, 77.0865



66.9639, 70.2246, 78.2120



67.3544, 70.2246, 75.8422



66.5294, 70.2246, 74.7396



# Rectangle

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



66.1420, 70.2246, 77.0865



66.5234, 70.2246, 78.2056



67.3544, 70.2246, 75.8422



66.9699, 70.2246, 74.7458

# Sweetspot

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



66.1440, 70.2276, 77.0880



94.1177, 99.5194, 108.8544



65.6431, 70.0295, 74.3481



20.1549, 21.3063, 23.2998



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.



66.1440, 70.2276, 77.0880



93.1978, 99.0452, 108.8094



65.6425, 69.2238, 76.9233



14.4521, 15.3488, 16.8525



22.5865, 33.0672, 44.8494



1.4634, 2.1423, 2.9065



# Inverse Universe

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



65.7822, 68.5690, 74.0614



92.6349, 96.4652, 104.1014



66.2774, 69.5603, 74.2241



14.3705, 14.9748, 16.1699



17.3230, 8.9303, 0.8153

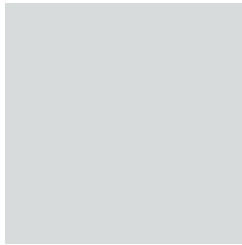


1.1224, 0.5786, 0.0537



# Previews

## White Background



This preview shows how the XYZ color 66.1420, 70.2246, 77.0865 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

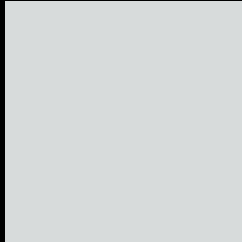
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 66.1420, 70.2246, 77.0865 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

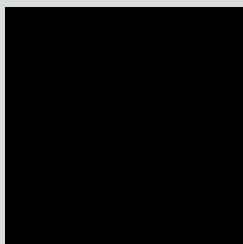
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

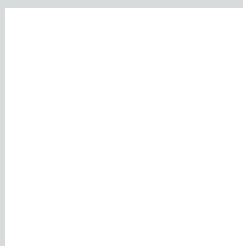
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 66.1420, 70.2246, 77.0865**

## **Background**



This preview shows how black text looks on a background with the XYZ color 66.1420, 70.2246, 77.0865.



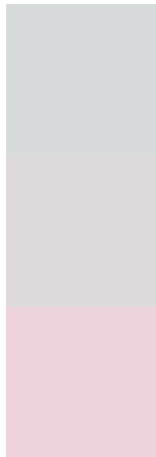
This preview shows how white text looks on a background with the XYZ color 66.1420, 70.2246,



# 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

66.1420, 70.2246, 77.0865

### Protanopia

67.5919, 70.2173, 76.3205

### Deuteranopia

71.6053, 69.9861, 78.1413



## Tritanopia

68.2794, 70.3179, 87.8159

# Trichromacy



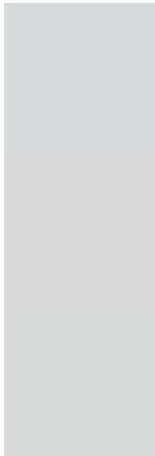
**Original Color**  
66.1420, 70.2246, 77.0865

**Protanomaly**  
66.9397, 70.2648, 76.3640

**Deuteranomaly**  
69.5980, 70.0834, 77.5694

**Tritanomaly**  
67.5332, 70.3989, 84.1577

# Monochromacy



**Original Color**  
66.1420, 70.2246, 77.0865

**Achromatopsia**  
66.6397, 70.1102, 76.3500

**Achromatomaly**  
66.3416, 69.9565, 76.3360

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 66.1420, 70.2246, 77.0865 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(215, 219, 219) looks like.

```
.text, #text, p{  
    color:rgb(215, 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(215, 219, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 219, 219) }
```

## Border

The CSS property to change the border of an element to XYZ 66.1420, 70.2246, 77.0865 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(215, 219, 219) }
```



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

```
.border{ border-color:rgb(215, 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(215, 219, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 219, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 219, 219);  
box-shadow:4px 4px 4px 4px rgb(215, 219,  
219) }
```

# Background

The CSS property to change the background color of an element to XYZ 66.1420, 70.2246, 77.0865 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 219, 219) }
```

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

```
.background{ background-color: rgb(215,  
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](#).

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