

Converting Colors

XYZ(65.9304, 71.1079, 84.7456)

Have a look what the booklet for
XYZ(65.9304, 71.1079, 84.7456)
contains.

XYZ(66.1363, 71.2211, 85.1242)	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(66.1363, 71.2211,
85.1242)**

Conversions

Conversions Part 1

Format	Color
Hex	CFDEE6
RGB	207, 222, 230
RGB Percent	81%, 87%, 90%
CMY	0.1882, 0.1294, 0.0980
CMYK	0.10, 0.03, 0.00, 0.10
HSL	201°, 32%, 86%
HSV	201°, 10%, 90%
XYZ	66.1363, 71.2211, 85.1242
YIQ	218.4270, -11.5080, -0.6920

Conversions

Conversions Part 2

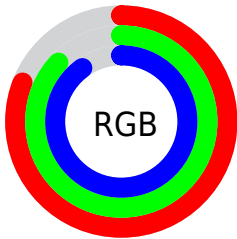
Format	Color
R _{YB}	207, 216, 230
Decimal	13623014
CIE _{Lab}	87.59, -3.45, -5.64
CIE _{LCh}	88, 6.609, 238.528
Y _{xy}	71.2211, 0.2973, 0.3201
Android (android.graphics.Color)	4291813094 (0xFFCFDDE6)
Y _{UV}	218.4270, 5.7055, -10.0215
Hunter-Lab	84.3926, -7.8012, -0.7292

Details

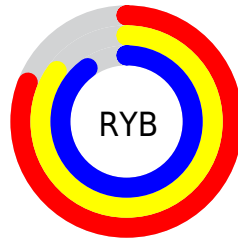
The XYZ color **66.1363, 71.2211, 85.1242** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **68.1964, 69.9284, 68.9359**, and the grayscale version is **66.9045, 70.3887, 76.6533**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **34.6934, 37.5049, 45.9681** is the 20% darker color. If you saturate the color by 10%, you get **58.0993, 64.0011, 84.1553**, and if you desaturate by 10%, it is **75.2142, 79.1311, 86.1736**.

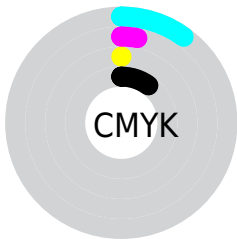
Distribution



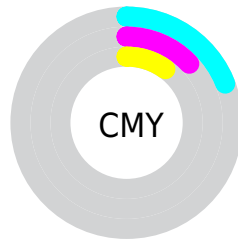
- Red (81%)
- Green (87%)
- Blue (90%)



- Red (81%)
- Yellow (85%)
- Blue (90%)



- Cyan (10%)
- Magenta (3%)
- Yellow (0%)
- Black (10%)



- Cyan (19%)
- Magenta (13%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 66.1363, 71.2211, 85.1242 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 66.1363, 71.2211, 85.1242 by changing the saturation by 10% instead.

■ 66.1363, 71.2211,
85.1242

■ 66.1363, 71.2211,
85.1242

436.3451,
464.8260, 532.1943

■ 48.6512, 52.5227,
63.3933

112.7386,
120.9485, 142.4224

■ 34.5562, 37.4218,
45.7164

142.5864,
152.7462, 178.8267

■ 23.4862, 25.5343,
31.6750

177.2859,
189.6792, 220.9593

■ 15.0756, 16.4756,
20.8506

217.2024,
232.1317, 269.2386

■ 8.9591, 9.8613,
12.8247

262.7012,
280.4883, 324.0832

■ 4.7714, 5.3071,
7.1786

314.1477,

■ 2.1471, 2.4285,

335.1333, 385.9117

3.4939

371.9072,
396.4510, 455.1425

■ 0.7147, 0.8405,
1.3520

■ 0.0000, 0.0000,
0.1039

■ 66.1363, 71.2211,
85.1242

■ 66.1363, 71.2211,
85.1242

■ 58.0993, 64.0011,
84.1553

■ 75.2142, 79.1311,
86.1736

■ 51.0554, 57.4386,
83.2599

■ 85.3660, 87.7445,
87.3011

■ 44.9620, 51.5115,
82.4370

■ 88.4774, 92.8819,
88.1288

■ 39.7709, 46.1929,
81.6840

■ 90.9624, 97.8518,
88.9571

■ 35.4292, 41.4532,
80.9980

■ 91.2831, 98.4933,
89.0640

■ 31.8782, 37.2600,
80.3758

■ 29.0511, 33.5766,
79.8138

■ 26.8686, 30.3597,
79.3079

■ 25.1949, 27.5369,
78.8512

Harmonies

Analogous

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



65.0868, 71.2211, 81.7322



66.1363, 71.2211, 85.1242



67.6164, 71.2211, 86.4758

Triad

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



66.1363, 71.2211, 85.1242



70.7431, 71.2211, 77.7690



66.2680, 71.2211, 70.2275

Complementary

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



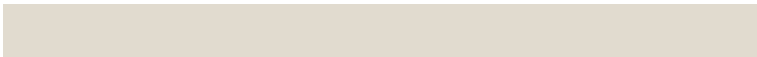
66.1363, 71.2211, 85.1242



68.1964, 69.9284, 68.9359

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.



67.7707, 71.2211, 69.2562



66.1363, 71.2211, 85.1242



70.3689, 71.2211, 73.5084

Square

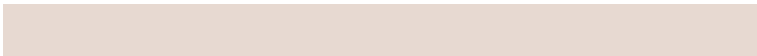
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



66.1363, 71.2211, 85.1242



70.2898, 71.2211, 82.1295



69.2750, 71.2211, 70.4346



65.1620, 71.2211, 73.1395

Rectangle

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



66.1363, 71.2211, 85.1242



68.6532, 71.2211, 85.9999



69.2750, 71.2211, 70.4346



66.7428, 71.2211, 69.6682

Sweetspot

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



66.1384, 71.2241, 85.1258



91.4487, 96.8925, 108.4900



66.2530, 74.7494, 75.0030



19.3722, 20.5642, 23.1982



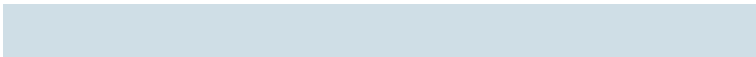
0.0000, 0.0000, 0.0000



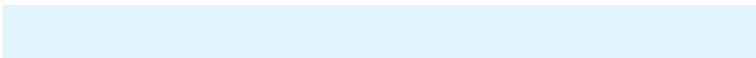
20.3446, 21.4041, 23.3091

Same Dimension

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



66.1384, 71.2241, 85.1258



81.3740, 88.0501, 107.3142



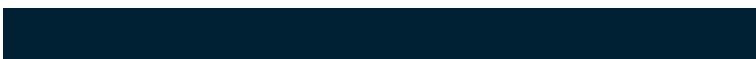
63.2691, 65.4856, 84.1694



14.3636, 15.4486, 18.3692



14.3823, 15.8266, 44.6800



1.1489, 1.3417, 3.3304

Inverse Universe

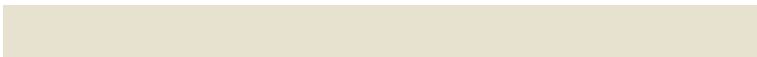
The Inverse Universe completely reimagines the original color for something new.



68.1324, 66.7240, 78.3988



84.3873, 81.3402, 97.1281



71.1384, 75.8126, 69.9166



14.7711, 14.5256, 16.9950



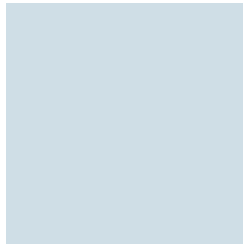
21.6530, 10.7954, 17.5996



1.6435, 0.8151, 1.5293

Previews

White Background



This preview shows how the XYZ color 66.1363, 71.2211, 85.1242 looks on a white background.

Color Contrast Check

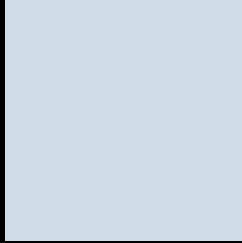
Large Text (above 18pt) WCAG AA × Fail

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 66.1363, 71.2211, 85.1242 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

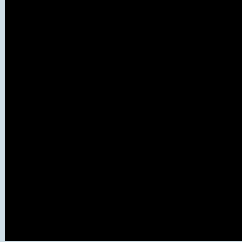
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

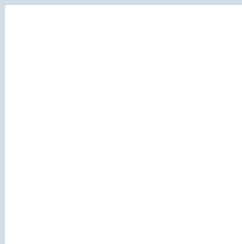
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 66.1363, 71.2211, 85.1242

Background



This preview shows how black text looks on a background with the XYZ color 66.1363, 71.2211, 85.1242.



This preview shows how white text looks on a background with the XYZ color 66.1363, 71.2211,

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

66.1363, 71.2211, 85.1242

Protanopia

68.8938, 71.1164, 83.4945

Deuteranopia

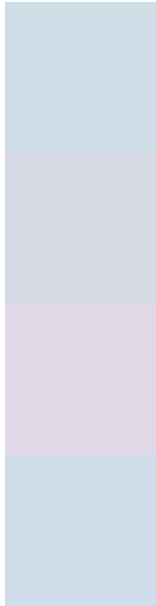
72.6207, 71.0769, 86.2356



Tritanopia

67.3015, 71.2958, 91.1032

Trichromacy



Original Color

66.1363, 71.2211, 85.1242

Protanomaly

67.7933, 70.9191, 84.2444

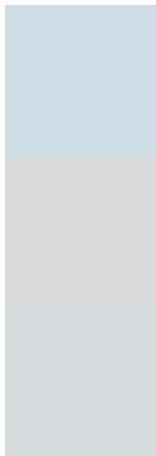
Deuteranomaly

70.0310, 70.8888, 85.5932

Tritanomaly

66.8643, 71.1210, 88.8009

Monochromacy



Original Color

66.1363, 71.2211, 85.1242

Achromatopsia

66.6397, 70.1102, 76.3500

Achromatomaly

66.2479, 70.2331, 79.1719

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.1363, 71.2211, 85.1242 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(207, 222, 230)` looks like.

```
.text, #text, p{  
    color:rgb(207, 222, 230)  
}
```

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(207, 222, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 222, 230) }
```

Border

The CSS property to change the border of an element to XYZ 66.1363, 71.2211, 85.1242 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(207, 222, 230) }
```


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

```
.border{ border-color:rgb(207, 222, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 222, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 222, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 222, 230);  
box-shadow:4px 4px 4px 4px rgb(207, 222,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 66.1363, 71.2211, 85.1242 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 222, 230) }
```

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

```
.background{ background-color: rgb(207,  
222, 230) }
```

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