

Converting Colors

XYZ(66.5414, 72.8744, 88.0259)

Have a look what the booklet for
XYZ(66.5414, 72.8744, 88.0259)
contains.

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Color

**XYZ(66.6762, 73.0297,
88.4238)**

Conversions

Conversions Part 1

Format	Color
Hex	CBE2EA
RGB	203, 226, 234
RGB Percent	80%, 89%, 92%
CMY	0.2039, 0.1137, 0.0823
CMYK	0.13, 0.03, 0.00, 0.08
HSL	195°, 42%, 86%
HSV	195°, 13%, 92%
XYZ	66.6762, 73.0297, 88.4238
YIQ	220.0350, -16.2760, -2.3880

Conversions

Conversions Part 2

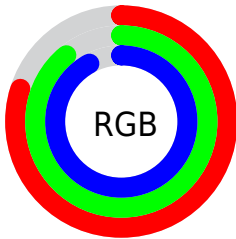
Format	Color
R _Y B	203, 216, 234
Decimal	13361898
CIE Lab	88.46, -6.00, -6.49
CIE LCh	88, 8.835, 227.257
Yxy	73.0297, 0.2923, 0.3201
Android (android.graphics.Color)	4291551978 (0xFFCBE2EA)
YUV	220.0350, 6.8847, -14.9397
Hunter-Lab	85.4574, -10.2799, -1.5279

Details

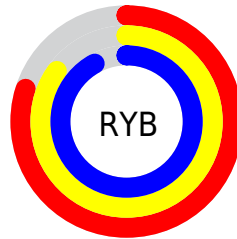
The XYZ color **66.6762, 73.0297, 88.4238** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **68.0059, 68.3925, 66.1180**, and the grayscale version is **68.0152, 71.5573, 77.9259**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **34.9932, 38.7297, 47.7507** is the 20% darker color. If you saturate the color by 10%, you get **59.1663, 66.7661, 87.6118**, and if you desaturate by 10%, it is **75.2100, 79.9109, 89.3034**.

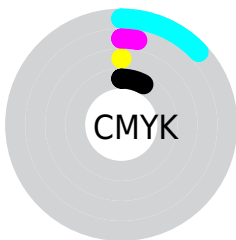
Distribution



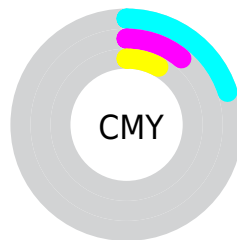
- Red (80%)
- Green (89%)
- Blue (92%)



- Red (80%)
- Yellow (85%)
- Blue (92%)



- Cyan (13%)
- Magenta (3%)
- Yellow (0%)
- Black (8%)



- Cyan (20%)
- Magenta (11%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 66.6762, 73.0297, 88.4238 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 66.6762, 73.0297, 88.4238 by changing the saturation by 10% instead.

■ 66.6762, 73.0297,
88.4238

■ 66.6762, 73.0297,
88.4238

438.2419,
471.1177, 543.3273

■ 49.0913, 54.0002,
66.1078

113.5087,
123.5194, 147.0634

■ 34.9067, 38.6019,
47.9029

143.4869,
155.7484, 184.2240

■ 23.7572, 26.4501,
33.3905

178.3270,
193.1460, 227.1699

■ 15.2774, 17.1607,
22.1522

218.3942,
236.0967, 276.3196

■ 9.1019, 10.3491,
13.7694

264.0540,
284.9848, 332.0916

■ 4.8653, 5.6311,
7.8235

315.6716,

■ 2.2024, 2.6221,

340.1948, 394.9046

3.8961

373.6125,
402.1110, 465.1770

■ 0.7440, 0.9378,
1.5685

■ 0.0000, 0.0000,
0.2682

■ 66.6762, 73.0297,
88.4238

■ 66.6762, 73.0297,
88.4238

■ 59.1663, 66.7661,
87.6118

■ 75.2100, 79.9109,
89.3034

■ 52.6303, 61.0875,
86.8602

■ 84.8021, 87.4223,
90.2477

■ 47.0236, 55.9720,
86.1683

■ 88.4764, 91.9705,
90.9319

■ 42.2953, 51.3925,
85.5336

■ 90.3238, 95.6652,
91.5477

■ 38.3894, 47.3192,
84.9532

■ 91.8515, 98.7206,
92.0569

■ 35.2433, 43.7189,
84.4241

■ 32.7845, 40.5533,
83.9427

■ 30.9254, 37.7762,
83.5046

■ 29.9177, 36.0731,
83.2290

Harmonies

Analogous

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



65.5833, 73.0297, 83.0390



66.6762, 73.0297, 88.4238



68.5152, 73.0297, 91.4849

Triad

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



66.6762, 73.0297, 88.4238



73.4745, 73.0297, 82.1261



68.2075, 73.0297, 68.8575

Complementary

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



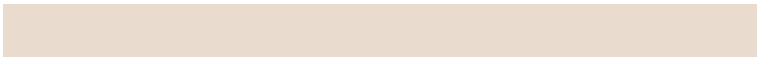
66.6762, 73.0297, 88.4238



68.0059, 68.3925, 66.1180

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.



70.3177, 73.0297, 68.6410



66.6762, 73.0297, 88.4238



73.3880, 73.0297, 76.0959

Square

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



66.6762, 73.0297, 88.4238



72.4566, 73.0297, 87.7262



72.2227, 73.0297, 71.2292



66.4549, 73.0297, 71.8364

Rectangle

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



66.6762, 73.0297, 88.4238



69.9299, 73.0297, 91.6987



72.2227, 73.0297, 71.2292



68.8977, 73.0297, 68.4648

Sweetspot

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



66.6783, 73.0327, 88.4254



90.5628, 96.4492, 108.4511



65.7792, 76.2340, 72.7128



19.2085, 20.5041, 23.1952



0.0000, 0.0000, 0.0000



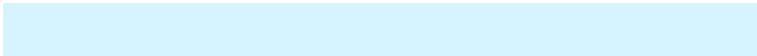
20.3446, 21.4041, 23.3091

Same Dimension

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



66.6783, 73.0327, 88.4254



78.3338, 86.5340, 107.1818



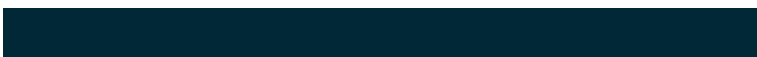
62.7133, 65.1027, 87.1038



15.1697, 16.4259, 19.2932



16.9186, 20.4843, 46.8051



1.4053, 1.7620, 3.7009

Inverse Universe

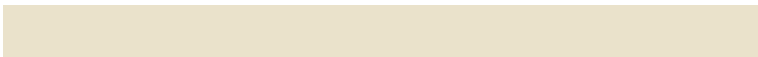
The Inverse Universe completely reimagines the original color for something new.



69.0167, 65.6968, 80.9982



81.7386, 76.0150, 96.3310



71.9767, 76.3342, 67.4416



15.5392, 15.2435, 18.1248



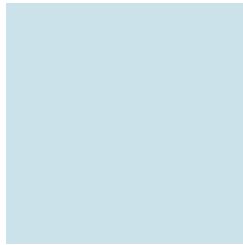
23.3950, 11.5607, 23.6794



1.8758, 0.9233, 2.0634

Previews

White Background



This preview shows how the XYZ color 66.6762, 73.0297, 88.4238 looks on a white background.

Color Contrast Check

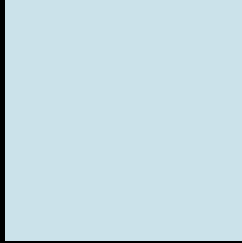
Large Text (above 18pt) WCAG AA × Fail

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 66.6762, 73.0297, 88.4238 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

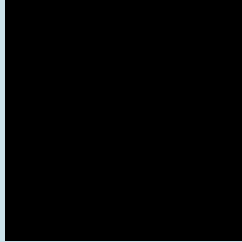
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 66.6762, 73.0297, 88.4238

Background



This preview shows how black text looks on a background with the XYZ color 66.6762, 73.0297, 88.4238.

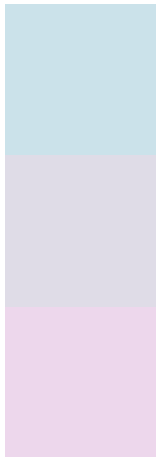


This preview shows how white text looks on a background with the XYZ color 66.6762, 73.0297,

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

66.6762, 73.0297, 88.4238

Protanopia

70.4484, 72.6439, 85.9099

Deuteranopia

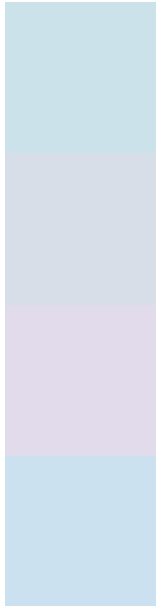
74.3658, 72.6615, 89.4625



Tritanopia

68.2797, 73.3006, 95.3437

Trichromacy



Original Color

66.6762, 73.0297, 88.4238

Protanomaly

69.0057, 72.6677, 86.7332

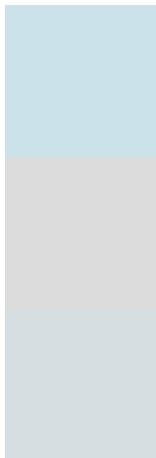
Deuteranomaly

71.3783, 72.6687, 88.8617

Tritanomaly

67.5552, 72.9791, 92.9639

Monochromacy



Original Color

66.6762, 73.0297, 88.4238

Achromatopsia

68.0267, 71.5694, 77.9390

Achromatomaly

67.4434, 71.9749, 81.5721

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.6762, 73.0297, 88.4238 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(203, 226, 234)` looks like.

```
.text, #text, p{  
    color:rgb(203, 226, 234)  
}
```

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(203, 226, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 226, 234) }
```

Border

The CSS property to change the border of an element to XYZ 66.6762, 73.0297, 88.4238 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(203, 226, 234) }
```


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

```
.border{ border-color:rgb(203, 226, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 226, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 226, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 226, 234);  
box-shadow:4px 4px 4px 4px rgb(203, 226,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 66.6762, 73.0297, 88.4238 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 226, 234) }
```

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

```
.background{ background-color: rgb(203,  
226, 234) }
```

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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