

Converting Colors

XYZ(66.1773, 74.1611, 88.6861)

Have a look what the booklet for
XYZ(66.1773, 74.1611, 88.6861)
contains.

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Color

**XYZ(66.1593, 73.9849,
88.6354)**

Conversions

Conversions Part 1

Format	Color
Hex	C6E5EA
RGB	198, 229, 234
RGB Percent	78%, 90%, 92%
CMY	0.2235, 0.1019, 0.0823
CMYK	0.15, 0.02, 0.00, 0.08
HSL	188°, 46%, 85%
HSV	188°, 15%, 92%
XYZ	66.1593, 73.9849, 88.6354
YIQ	220.3010, -20.0810, -5.0170

Conversions

Conversions Part 2

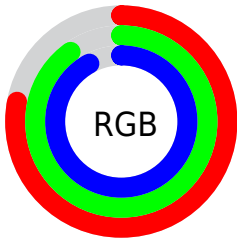
Format	Color
R _Y B	198, 215, 234
Decimal	13034986
CIE Lab	88.92, -9.10, -5.86
CIE LCh	89, 10.822, 212.752
Yxy	73.9849, 0.2892, 0.3234
Android (android.graphics.Color)	4291225066 (0xFFC6E5EA)
YUV	220.3010, 6.7536, -19.5580
Hunter-Lab	86.0145, -13.2294, -0.8865

Details

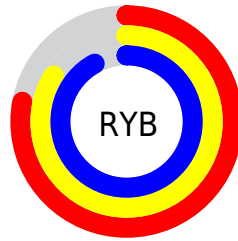
The XYZ color **66.1593, 73.9849, 88.6354** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **65.4812, 64.2814, 62.3838**, and the grayscale version is **68.2038, 71.7557, 78.1420**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **34.6735, 39.4157, 47.9000** is the 20% darker color. If you saturate the color by 10%, you get **59.5718, 69.2692, 88.0736**, and if you desaturate by 10%, it is **73.7208, 79.2316, 89.2508**.

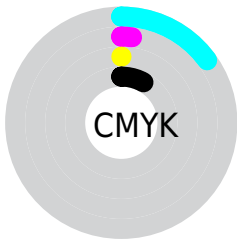
Distribution



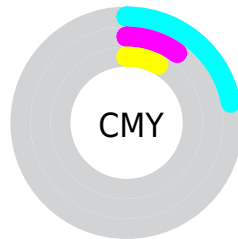
- Red (78%)
- Green (90%)
- Blue (92%)



- Red (78%)
- Yellow (84%)
- Blue (92%)



- Cyan (15%)
- Magenta (2%)
- Yellow (0%)
- Black (8%)



- Cyan (22%)
- Magenta (10%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 66.1593, 73.9849, 88.6354 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 66.1593, 73.9849, 88.6354 by changing the saturation by 10% instead.

■ 66.1593, 73.9849,
88.6354

■ 66.1593, 73.9849,
88.6354

436.4260,
474.4213, 544.0369

■ 48.6699, 54.7817,
66.2821

112.7714,
124.8744, 147.3604

■ 34.5712, 39.2270,
48.0435

142.6248,
157.3295, 184.5691

■ 23.4977, 26.9363,
33.5011

177.3303,
194.9706, 227.5667

■ 15.0841, 17.5254,
22.2363

217.2532,
238.1822, 276.7717

■ 8.9652, 10.6098,
13.8307

262.7589,
287.3487, 332.6027

■ 4.7754, 5.8051,
7.8656

314.2127,

■ 2.1495, 2.7269,

342.8544, 395.4782

3.9225

371.9799,
405.0838, 465.8168

0.7159, 0.9909,
1.5829

0.0000, 0.0000,
0.2786

66.1593, 73.9849,
88.6354

66.1593, 73.9849,
88.6354

59.5718, 69.2692,
88.0736

73.7208, 79.2316,
89.2508

53.9082, 65.0526,
87.5582

82.2907, 85.0214,
89.9166

49.1235, 61.3138,
87.0887

86.8845, 88.7865,
90.4012

45.1664, 58.0262,
86.6627

87.8426, 90.7028,
90.7206

■ 41.9802, 55.1604,
86.2775

■ 88.8179, 92.6535,
91.0457

■ 39.5009, 52.6833,
85.9300

■ 89.8105, 94.6386,
91.3766

■ 37.6540, 50.5564,
85.6168

■ 90.8204, 96.6585,
91.7132

■ 36.3478, 48.7323,
85.3336

■ 91.8478, 98.7132,
92.0557

■ 35.8601, 47.9577,
85.2098

■ 91.8515, 98.7206,
92.0569

Harmonies

Analogous

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



65.3972, 73.9849, 81.2533



66.1593, 73.9849, 88.6354



68.0342, 73.9849, 94.1075

Triad

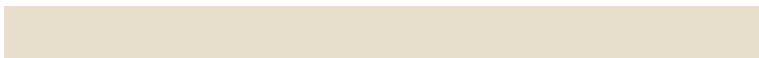
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



66.1593, 73.9849, 88.6354



74.9051, 73.9849, 87.3598



70.0783, 73.9849, 66.9605

Complementary

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



66.1593, 73.9849, 88.6354



65.4812, 64.2814, 62.3838

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.



72.6573, 73.9849, 68.3740



66.1593, 73.9849, 88.6354



75.4848, 73.9849, 79.8646

Square

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



66.1593, 73.9849, 88.6354



73.0873, 73.9849, 93.3394



74.6525, 73.9849, 72.9850



67.6243, 73.9849, 68.9983

Rectangle

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



66.1593, 73.9849, 88.6354



69.6854, 73.9849, 95.7686



74.6525, 73.9849, 72.9850



70.9593, 73.9849, 67.0479

Sweetspot

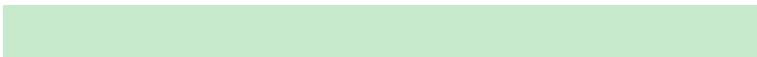
The Sweet Spot groups the original color and five complimentary colors.



66.1615, 73.9880, 88.6371



89.9519, 96.5376, 108.5004



63.4685, 75.1549, 67.5376



19.1054, 20.5618, 23.2118



0.0000, 0.0000, 0.0000



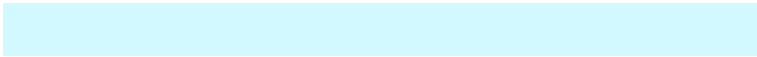
20.3446, 21.4041, 23.3091

Same Dimension

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



66.1615, 73.9880, 88.6371



78.1339, 88.3122, 107.5356



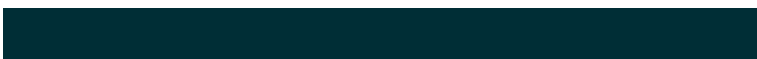
61.4853, 64.6357, 87.0783



15.3291, 16.7446, 19.3463



20.2207, 27.0884, 47.9058



1.6369, 2.2253, 3.7781

Inverse Universe

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



68.2703, 63.5393, 82.7983



81.1061, 73.7264, 99.2754



69.9296, 73.1783, 63.8666



15.6197, 15.2757, 18.5484



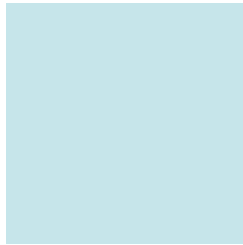
25.0618, 12.2274, 32.4563



1.9927, 0.9701, 2.6791

Previews

White Background



This preview shows how the XYZ color 66.1593, 73.9849, 88.6354 looks on a white background.

Color Contrast Check

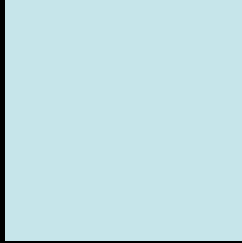
Large Text (above 18pt) WCAG AA × Fail

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 66.1593, 73.9849, 88.6354 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

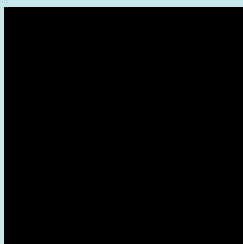
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

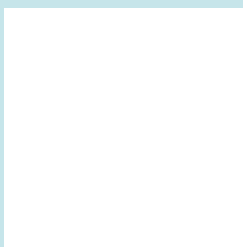
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 66.1593, 73.9849, 88.6354

Background



This preview shows how black text looks on a background with the XYZ color 66.1593, 73.9849, 88.6354.

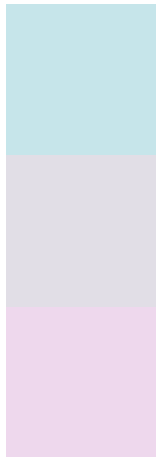


This preview shows how white text looks on a background with the XYZ color 66.1593, 73.9849,

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

66.1593, 73.9849, 88.6354

Protanopia

71.4555, 73.9633, 85.3731

Deuteranopia

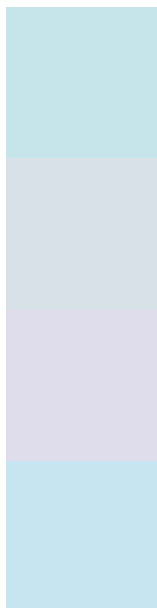
75.1018, 73.4033, 90.3307



Tritanopia

67.7699, 73.8101, 97.0611

Trichromacy



Original Color

66.1593, 73.9849, 88.6354

Protanomaly

69.3733, 74.0670, 86.2413

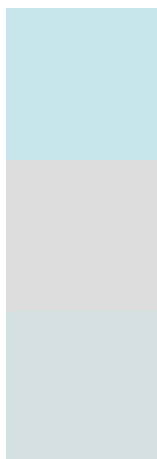
Deuteranomaly

71.4282, 73.4570, 89.7708

Tritanomaly

67.1738, 73.9798, 93.9582

Monochromacy



Original Color

66.1593, 73.9849, 88.6354

Achromatopsia

68.0267, 71.5694, 77.9390

Achromatomaly

67.1297, 72.2086, 81.6337

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.1593, 73.9849, 88.6354 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(198, 229, 234)` looks like.

```
.text, #text, p{  
    color:rgb(198, 229, 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(198, 229, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 229, 234) }
```

Border

The CSS property to change the border of an element to XYZ 66.1593, 73.9849, 88.6354 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(198, 229, 234) }
```


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

```
.border{ border-color:rgb(198, 229, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 229, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 229, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 229, 234);  
box-shadow:4px 4px 4px 4px rgb(198, 229,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 66.1593, 73.9849, 88.6354 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 229, 234) }
```

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

```
.background{ background-color: rgb(198,  
229, 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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