

Converting Colors

XYZ(66.0616, 74.9217, 89.2741)

Have a look what the booklet for
XYZ(66.0616, 74.9217, 89.2741)
contains.

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Color

**XYZ(66.0770, 74.7521,
89.5432)**

Conversions

Conversions Part 1

Format	Color
Hex	C3E7EB
RGB	195, 231, 235
RGB Percent	76%, 91%, 92%
CMY	0.2353, 0.0941, 0.0784
CMYK	0.17, 0.02, 0.00, 0.08
HSL	186°, 50%, 84%
HSV	186°, 17%, 92%
XYZ	66.0770, 74.7521, 89.5432
YIQ	220.6920, -22.7400, -6.3880

Conversions

Conversions Part 2

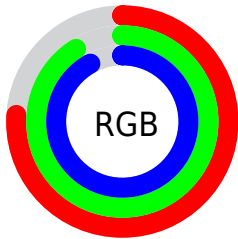
Format	Color
R _Y B	195, 214, 235
Decimal	12838891
CIE Lab	89.28, -10.84, -5.87
CIE LCh	89, 12.329, 208.418
Yxy	74.7521, 0.2868, 0.3245
Android (android.graphics.Color)	4291028971 (0xFFC3E7EB)
YUV	220.6920, 7.0538, -22.5319
Hunter-Lab	86.4593, -14.8841, -0.8833

Details

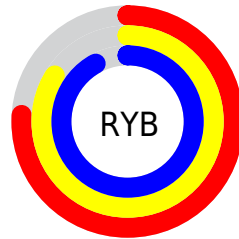
The XYZ color **66.0770, 74.7521, 89.5432** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **64.5353, 62.4491, 60.2837**, and the grayscale version is **68.4766, 72.0427, 78.4545**.

A 20% lighter version of the original color is **93.9549, 99.4354, 108.8487**, and **34.4512, 39.5773, 48.4712** is the 20% darker color. If you saturate the color by 10%, you get **59.8242, 70.5615, 89.0651**, and if you desaturate by 10%, it is **73.2985, 79.4591, 90.0723**.

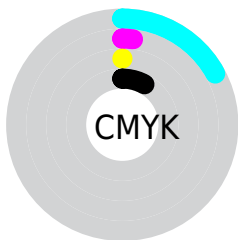
Distribution



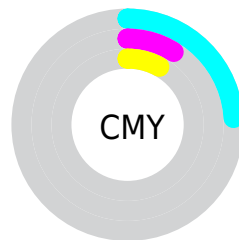
- Red (76%)
- Green (91%)
- Blue (92%)



- Red (76%)
- Yellow (84%)
- Blue (92%)



- Cyan (17%)
- Magenta (2%)
- Yellow (0%)
- Black (8%)



- Cyan (24%)
- Magenta (9%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 66.0770, 74.7521, 89.5432 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 66.0770, 74.7521, 89.5432 by changing the saturation by 10% instead.

66.0770, 74.7521,
89.5432

66.0770, 74.7521,
89.5432

436.1365,
477.0651, 547.0755

48.6028, 55.4098,
67.0303

112.6540,
125.9614, 148.6337

34.5178, 39.7299,
48.6475

142.4875,
158.5972, 186.0483

23.4564, 27.3280,
33.9763

177.1715,
196.4330, 229.2672

15.0534, 17.8197,
22.5982

217.0714,
239.8531, 278.7090

8.9435, 10.8207,
14.0946

262.5524,
289.2420, 334.7922

4.7611, 5.9464,
8.0470

313.9801,

2.1411, 2.8125,

344.9840, 397.9353

4.0368

371.7197,
407.4636, 468.5569

■ 0.7114, 1.0346,
1.6456

■ 0.0000, 0.0000,
0.3230

■ 66.0770, 74.7521,
89.5432

■ 66.0770, 74.7521,
89.5432

■ 59.8242, 70.5615,
89.0651

■ 73.2985, 79.4591,
90.0723

■ 54.4891, 66.8550,
88.6309


■ 81.5240, 84.6949,
90.6494


■ 50.0255, 63.6108,
88.2399


■ 86.8245, 88.4360,
91.0921


■ 46.3810, 60.8018,
87.8898


■ 87.5128, 89.8127,
91.3216


 43.4973, 58.3979,
87.5778


 88.2101, 91.2073,
91.5540


 41.3082, 56.3649,
87.3008


 88.9164, 92.6198,
91.7894


 39.7363, 54.6629,
87.0551

 89.6317, 94.0504,
92.0279

 38.6817, 53.2402,
86.8361

 90.3560, 95.4990,
92.2693

 38.4193, 52.8456,
86.7737

 91.0894, 96.9659,
92.5138

Harmonies

Analogous

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



65.4164, 74.7521, 80.9352



66.0770, 74.7521, 89.5432



68.0596, 74.7521, 96.3547

Triad

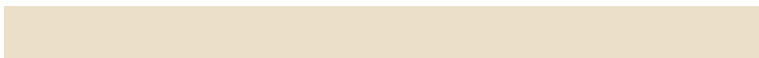
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



66.0770, 74.7521, 89.5432



76.0981, 74.7521, 90.3912



71.2097, 74.7521, 65.9133

Complementary

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



66.0770, 74.7521, 89.5432



64.5353, 62.4491, 60.2837

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.



74.1260, 74.7521, 68.0651



66.0770, 74.7521, 89.5432



76.9973, 74.7521, 81.8512

Square

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



66.0770, 74.7521, 89.5432



73.8414, 74.7521, 96.8681



76.2657, 74.7521, 73.7517



68.3291, 74.7521, 67.6594

Rectangle

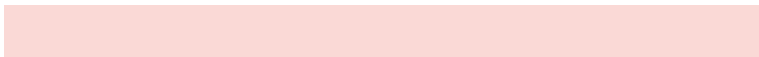
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



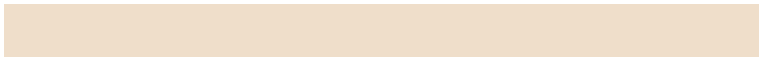
66.0770, 74.7521, 89.5432



69.8932, 74.7521, 98.7453



76.2657, 74.7521, 73.7517



72.2187, 74.7521, 66.2017

Sweetspot

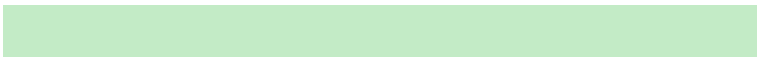
The Sweet Spot groups the original color and five complimentary colors.



66.0792, 74.7552, 89.5449



90.1087, 96.8514, 108.5527



62.4469, 75.1127, 64.8362



19.1437, 20.6383, 23.2246



0.0000, 0.0000, 0.0000



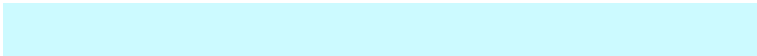
20.3446, 21.4041, 23.3091

Same Dimension

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



66.0792, 74.7552, 89.5449



77.1076, 88.3690, 107.6007



60.9627, 64.5222, 87.8394



15.3816, 16.8496, 19.3639



21.4356, 29.5182, 48.3108



1.7205, 2.3924, 3.8060

Inverse Universe

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



68.2016, 62.4635, 84.0669



80.0731, 71.3418, 99.9136



69.2705, 71.9195, 61.8621



15.6462, 15.2863, 18.6880



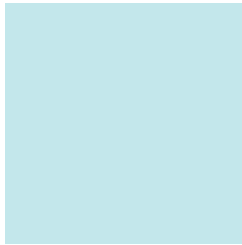
25.6750, 12.4727, 35.6855



2.0349, 0.9869, 2.9012

Previews

White Background



This preview shows how the XYZ color 66.0770, 74.7521, 89.5432 looks on a white background.

Color Contrast Check

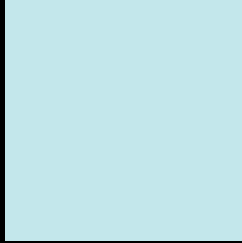
Large Text (above 18pt) WCAG AA × Fail

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 66.0770, 74.7521, 89.5432 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

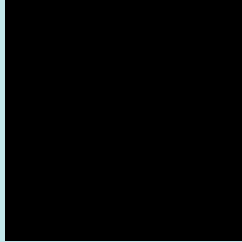
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 66.0770, 74.7521, 89.5432

Background



This preview shows how black text looks on a background with the XYZ color 66.0770, 74.7521, 89.5432.



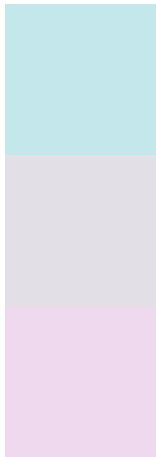
This preview shows how white text looks on a background with the XYZ color 66.0770, 74.7521,

89.5432.

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

66.0770, 74.7521, 89.5432

Protanopia

72.0346, 74.6573, 85.4766

Deuteranopia

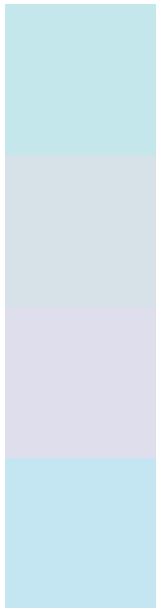
75.8421, 74.1495, 91.2039



Tritanopia

67.8338, 74.6243, 98.8244

Trichromacy



Original Color

66.0770, 74.7521, 89.5432

Protanomaly

69.7862, 74.6660, 87.0778

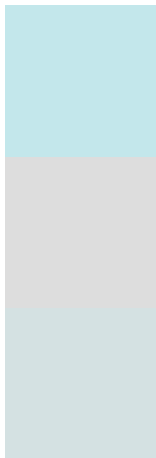
Deuteranomaly

71.8388, 74.0450, 90.6266

Tritanomaly

67.2394, 74.8005, 95.6881

Monochromacy



Original Color

66.0770, 74.7521, 89.5432

Achromatopsia

68.7264, 72.3055, 78.7407

Achromatomaly

67.8041, 73.3385, 82.5336

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.0770, 74.7521, 89.5432 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(195, 231, 235)` looks like.

```
.text, #text, p{  
    color:rgb(195, 231, 235)  
}
```

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(195, 231, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 231, 235) }
```

Border

The CSS property to change the border of an element to XYZ 66.0770, 74.7521, 89.5432 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(195, 231, 235) }
```


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

```
.border{ border-color:rgb(195, 231, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 231, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 231, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 231, 235);  
box-shadow:4px 4px 4px 4px rgb(195, 231,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 66.0770, 74.7521, 89.5432 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 231, 235) }
```

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

```
.background{ background-color: rgb(195,  
231, 235) }
```

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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