

Converting Colors

XYZ(68.0688, 77.4545, 92.0179)

Have a look what the booklet for
XYZ(68.0688, 77.4545, 92.0179)
contains.

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Color

**XYZ(68.1669, 77.4600,
92.2474)**

Conversions

Conversions Part 1

Format	Color
Hex	C5EBEE
RGB	197, 235, 238
RGB Percent	77%, 92%, 93%
CMY	0.2274, 0.0784, 0.0667
CMYK	0.17, 0.01, 0.00, 0.07
HSL	184°, 55%, 85%
HSV	184°, 17%, 93%
XYZ	68.1669, 77.4600, 92.2474
YIQ	223.9800, -23.6110, -7.1230

Conversions

Conversions Part 2

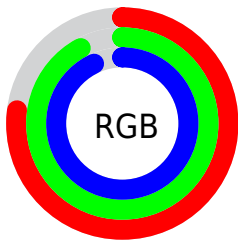
Format	Color
R _Y B	197, 217, 238
Decimal	12970990
CIE Lab	90.53, -11.64, -5.57
CIE LCh	91, 12.901, 205.575
Yxy	77.4600, 0.2866, 0.3256
Android (android.graphics.Color)	4291161070 (0xFFC5EBEE)
YUV	223.9800, 6.9119, -23.6615
Hunter-Lab	88.0114, -15.7674, -0.5357

Details

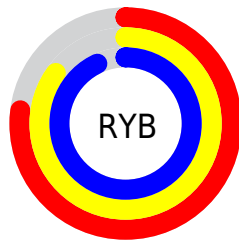
The XYZ color **68.1669, 77.4600, 92.2474** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **65.9929, 63.5170, 61.6066**, and the grayscale version is **70.8033, 74.4906, 81.1203**.

A 20% lighter version of the original color is **94.6831, 99.8108, 108.8828**, and **35.8913, 41.4572, 50.3663** is the 20% darker color. If you saturate the color by 10%, you get **61.9252, 73.5085, 91.8149**, and if you desaturate by 10%, it is **75.4018, 81.9348, 92.7310**.

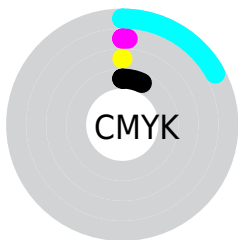
Distribution



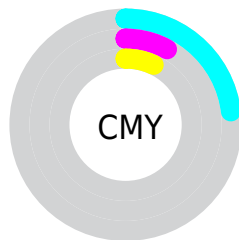
- Red (77%)
- Green (92%)
- Blue (93%)



- Red (77%)
- Yellow (85%)
- Blue (93%)



- Cyan (17%)
- Magenta (1%)
- Yellow (0%)
- Black (7%)



- Cyan (23%)
- Magenta (8%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.1669, 77.4600, 92.2474 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 68.1669, 77.4600, 92.2474 by changing the saturation by 10% instead.

68.1669, 77.4600,
92.2474

68.1669, 77.4600,
92.2474

443.4546,
486.3310, 556.0724

50.3077, 57.6305,
69.2620

115.6315,
129.7886, 152.4189

35.8767, 41.5117,
50.4520

145.9676,
163.0565, 190.4420

24.5087, 28.7191,
35.3990

181.1933,
201.5727, 234.3148

15.8382, 18.8684,
23.6844

221.6741,
245.7215, 284.4558

9.4998, 11.5752,
14.8896

267.7752,
295.8873, 341.2835

5.1283, 6.4552,
8.5962

319.8621,

2.3583, 3.1238,

352.4546, 405.2165

4.3855

378.3001,
415.8077, 476.6733

■ 0.8242, 1.1967,
1.8391

■ 0.0000, 0.0590,
0.4536

■ 68.1669, 77.4600,
92.2474

■ 68.1669, 77.4600,
92.2474

■ 61.9252, 73.5085,
91.8149

■ 75.4018, 81.9348,
92.7310

■ 56.6240, 70.0470,
91.4262


■ 83.6663, 86.9456,
93.2626


■ 52.2157, 67.0531,
91.0806


■ 87.8989, 89.8851,
93.6069


■ 48.6460, 64.4986,
90.7757


■ 88.4141, 90.9156,
93.7787


 45.8547, 62.3525,
90.5086


 88.9343, 91.9559,
93.9521


 43.7733, 60.5795,
90.2761


 89.4594, 93.0062,
94.1271


 42.3216, 59.1383,
90.0744

 89.9894, 94.0663,
94.3038

 41.3951, 57.9749,
89.8987

 90.5244, 95.1363,
94.4821

 41.1851, 57.6777,
89.8524

 91.0644, 96.2163,
94.6621

Harmonies

Analogous

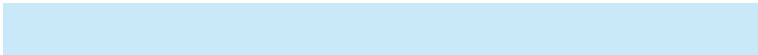
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



67.6084, 77.4600, 82.9771



68.1669, 77.4600, 92.2474



70.1709, 77.4600, 99.8652

Triad

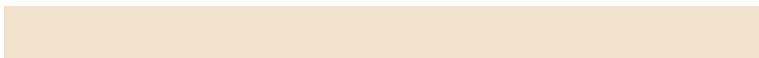
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



68.1669, 77.4600, 92.2474



78.8614, 77.4600, 94.7913



74.1032, 77.4600, 67.8345

Complementary

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



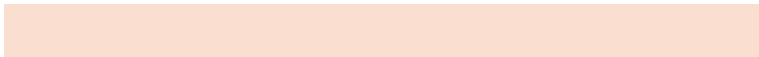
68.1669, 77.4600, 92.2474



65.9929, 63.5170, 61.6066

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.



77.1873, 77.4600, 70.5149



68.1669, 77.4600, 92.2474



79.9849, 77.4600, 85.7193

Square

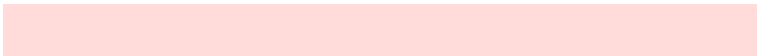
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



68.1669, 77.4600, 92.2474



76.3348, 77.4600, 101.4076



79.3636, 77.4600, 76.8994



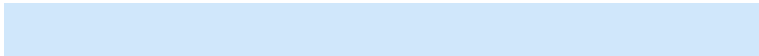
70.9770, 77.4600, 69.3051

Rectangle

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



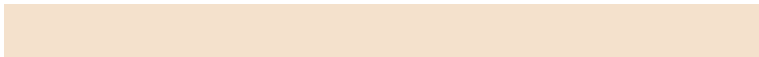
68.1669, 77.4600, 92.2474



72.0884, 77.4600, 102.7488



79.3636, 77.4600, 76.8994



75.1800, 77.4600, 68.2741

Sweetspot

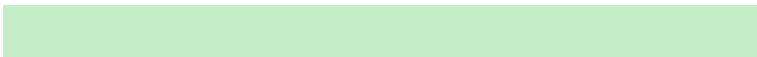
The Sweet Spot groups the original color and five complimentary colors.



68.1692, 77.4632, 92.2491



90.2172, 97.0683, 108.5888



63.9961, 77.1784, 66.0058



19.1701, 20.6912, 23.2334



0.0000, 0.0000, 0.0000



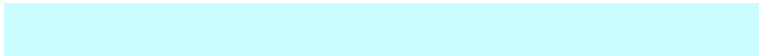
20.3446, 21.4041, 23.3091

Same Dimension

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



68.1692, 77.4632, 92.2491



76.7825, 88.7480, 107.6909



62.7010, 66.5270, 90.4264



16.1427, 17.7196, 20.2910



23.0183, 32.2609, 50.1417



1.9442, 2.7424, 4.1811

Inverse Universe

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



70.2233, 64.1095, 87.2741



79.6578, 70.2139, 100.6919



70.9938, 73.5187, 63.2736



16.4015, 16.0103, 19.6704



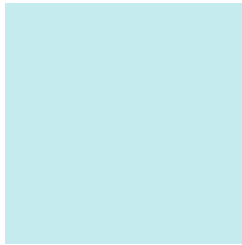
26.9442, 13.0501, 39.2183



2.2563, 1.0916, 3.3405

Previews

White Background



This preview shows how the XYZ color 68.1669, 77.4600, 92.2474 looks on a white background.

Color Contrast Check

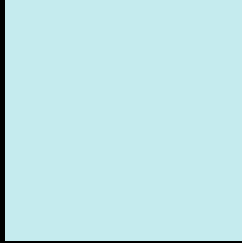
Large Text (above 18pt) WCAG AA × Fail

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 68.1669, 77.4600, 92.2474 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

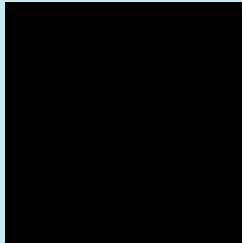
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.1669, 77.4600, 92.2474

Background



This preview shows how black text looks on a background with the XYZ color 68.1669, 77.4600, 92.2474.

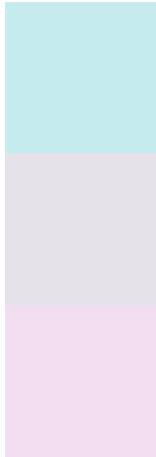


This preview shows how white text looks on a background with the XYZ color 68.1669, 77.4600,

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

68.1669, 77.4600, 92.2474

Protanopia

74.5375, 77.0989, 88.0438

Deuteranopia

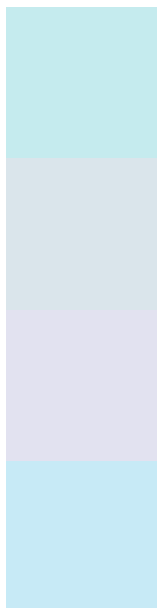
78.6958, 77.1185, 93.9567



Tritanopia

70.3709, 77.5222, 102.5211

Trichromacy



Original Color

68.1669, 77.4600, 92.2474

Protanomaly

71.9281, 76.9422, 89.6576

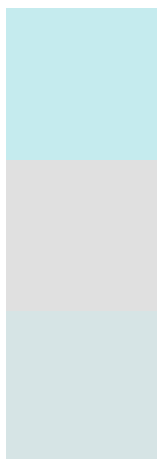
Deuteranomaly

74.2886, 76.8527, 93.3567

Tritanomaly

69.6106, 77.6416, 98.5062

Monochromacy



Original Color

68.1669, 77.4600, 92.2474

Achromatopsia

70.8507, 74.5404, 81.1745

Achromatomaly

69.6178, 75.4401, 85.0209

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.1669, 77.4600, 92.2474 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(197, 235, 238)` looks like.

```
.text, #text, p{  
    color:rgb(197, 235, 238)  
}
```

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(197, 235, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 235, 238) }
```

Border

The CSS property to change the border of an element to XYZ 68.1669, 77.4600, 92.2474 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(197, 235, 238) }
```


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

```
.border{ border-color:rgb(197, 235, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 235, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 235, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 235, 238);  
box-shadow:4px 4px 4px 4px rgb(197, 235,  
238) }
```

Background

The CSS property to change the background color of an element to XYZ 68.1669, 77.4600, 92.2474 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 235, 238) }
```

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

```
.background{ background-color: rgb(197,  
235, 238) }
```

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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