

Converting Colors

XYZ(77.8627, 90.0078,
105.3379)

Have a look what the booklet for
XYZ(77.8627, 90.0078, 105.3379)
contains.

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Color

**XYZ(77.8347, 89.7709,
105.3207)**

Conversions

Conversions Part 1

Format	Color
Hex	CEFCFC
RGB	206, 252, 252
RGB Percent	81%, 99%, 99%
CMY	0.1921, 0.0117, 0.0118
CMYK	0.18, 0.00, 0.00, 0.01
HSL	180°, 88%, 90%
HSV	180°, 18%, 99%
XYZ	77.8347, 89.7709, 105.3207
YIQ	238.2460, -27.4160, -9.7520

Conversions

Conversions Part 2

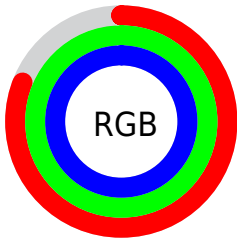
Format	Color
R _{YB}	206, 229, 252
Decimal	13565180
CIE Lab	95.90, -14.55, -4.86
CIE LCh	96, 15.338, 198.476
Yxy	89.7709, 0.2852, 0.3289
Android (android.graphics.Color)	4291755260 (0xFFCEFCFC)
YUV	238.2460, 6.7807, -28.2797
Hunter-Lab	94.7475, -19.1711, 0.4169

Details

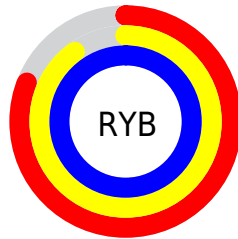
The XYZ color **77.8347, 89.7709, 105.3207** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **73.3600, 69.2968, 67.9054**, and the grayscale version is **81.4250, 85.6654, 93.2897**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.1279, 49.5497, 58.9734** is the 20% darker color. If you saturate the color by 10%, you get **71.3924, 86.4521, 105.0196**, and if you desaturate by 10%, it is **85.4039, 93.6753, 105.6783**.

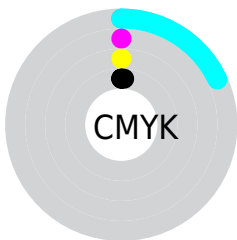
Distribution



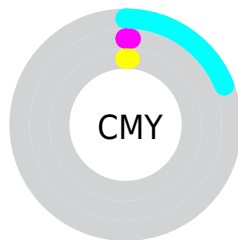
- Red (81%)
- Green (99%)
- Blue (99%)



- Red (81%)
- Yellow (90%)
- Blue (99%)



- Cyan (18%)
- Magenta (0%)
- Yellow (0%)
- Black (1%)



- Cyan (19%)
- Magenta (1%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.8347, 89.7709, 105.3207 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 77.8347, 89.7709, 105.3207 by changing the saturation by 10% instead.

77.8347, 89.7709,
105.3207

77.8347, 89.7709,
105.3207

476.4537,
527.2853, 598.5117

58.2405, 67.7906,
80.1099

129.2837,
147.0201, 170.5654

42.2460, 49.7274,
59.2821

161.8692,
183.0579, 211.4365

29.4860, 35.1969,
42.4187

199.5158,
224.5503, 258.3646

19.5949, 23.8146,
29.1013

242.5890,
271.8817, 311.7685

12.2074, 15.1961,
18.9112

291.4540,
325.4365, 372.0666

6.9583, 8.9571,
11.4300

346.4762,

3.4821, 4.7132,

385.5991, 439.6775

6.2390

408.0210,
452.7539, 515.0197

■ 1.4136, 2.0800,
2.9198

■ 0.2659, 0.6533,
1.0539

■ 77.8347, 89.7709,
105.3207

■ 77.8347, 89.7709,
105.3207

■ 71.3924, 86.4521,
105.0196

■ 85.4039, 93.6753,
105.6783

■ 66.0157, 83.6804,
104.7665


■ 93.6236, 97.9126,
106.0645


■ 61.6497, 81.4297,
104.5606


■ 93.6238, 97.9128,
106.0660

■ 58.2311, 79.6674,
104.3992

■ 93.6241, 97.9129,
106.0675


 55.6898, 78.3573,
104.2787

 93.6244, 97.9130,
106.0691


 53.9458, 77.4583,
104.1956


 93.6247, 97.9131,
106.0706


 52.9048, 76.9216,
104.1454

 93.6250, 97.9132,
106.0721

 52.4357, 76.6799,
104.1219

 93.6253, 97.9133,
106.0736

 52.3806, 76.6515,
104.1191

 93.6256, 97.9134,
106.0751

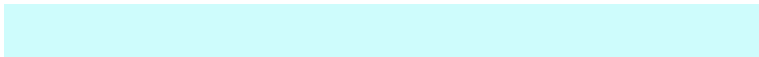
Harmonies

Analogous

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



77.5947, 89.7709, 93.1616



77.8347, 89.7709, 105.3207



80.0413, 89.7709, 116.2579

Triad

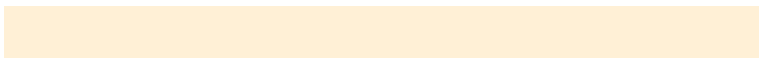
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.8347, 89.7709, 105.3207



91.5650, 89.7709, 114.0284



86.9611, 89.7709, 76.6362

Complementary

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



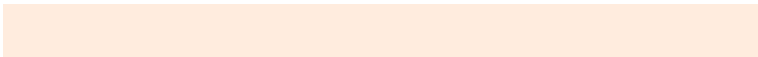
77.8347, 89.7709, 105.3207



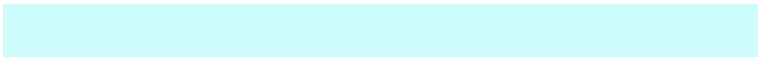
73.3600, 69.2968, 67.9054

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.



90.8353, 89.7709, 81.3102



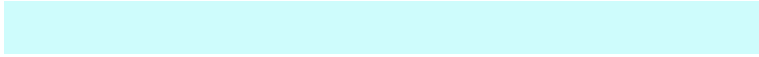
77.8347, 89.7709, 105.3207



93.5515, 89.7709, 102.4769

Square

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



77.8347, 89.7709, 105.3207



87.9302, 89.7709, 121.5649



93.2801, 89.7709, 90.5421



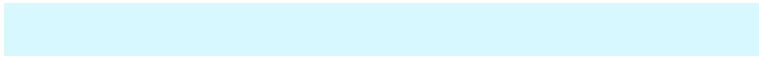
82.7709, 89.7709, 77.2600

Rectangle

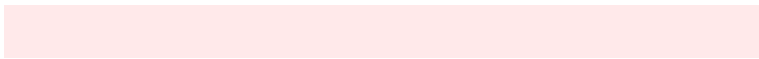
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.8347, 89.7709, 105.3207



82.3728, 89.7709, 121.0750



93.2801, 89.7709, 90.5421



88.3460, 89.7709, 77.6231

Sweetspot

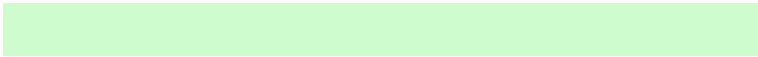
The Sweet Spot groups the original color and five complimentary colors.



77.8373, 89.7746, 105.3227



90.5137, 97.6615, 108.6869



71.6206, 87.3126, 71.4724



19.2425, 20.8359, 23.2573



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

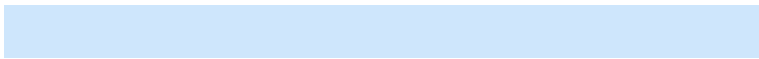
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.8373, 89.7746, 105.3227



77.3360, 90.8682, 108.0676



71.2588, 76.6168, 103.1325



17.7658, 19.6086, 22.2335



27.2844, 39.9268, 54.2344



2.5270, 3.6979, 5.0231

Inverse Universe

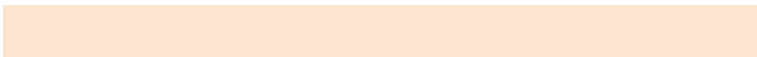
The Inverse Universe completely reimagines the original color for something new.



73.3600, 69.2968, 67.9054



71.9381, 66.1799, 62.9569



79.0963, 80.7701, 69.8155



17.2447, 17.2253, 17.8786



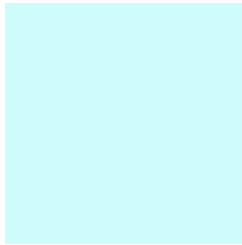
20.9120, 10.7805, 0.9791



1.9368, 0.9985, 0.0908

Previews

White Background



This preview shows how the XYZ color 77.8347, 89.7709, 105.3207 looks on a white background.

Color Contrast Check

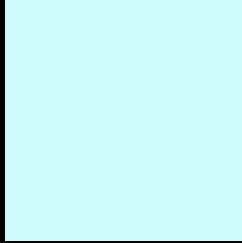
Large Text (above 18pt) WCAG AA × Fail

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 77.8347, 89.7709, 105.3207 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

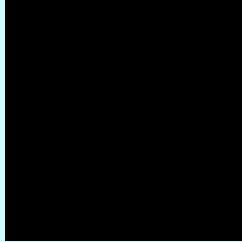
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 77.8347, 89.7709, 105.3207

Background



This preview shows how black text looks on a background with the XYZ color 77.8347, 89.7709, 105.3207.

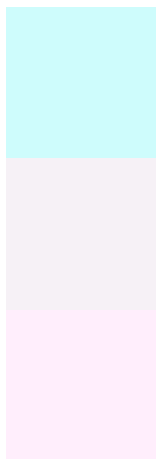


This preview shows how white text looks on a background with the XYZ color 77.8347, 89.7709,

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

77.8347, 89.7709, 105.3207

Protanopia

86.0959, 89.1572, 99.8601

Deuteranopia

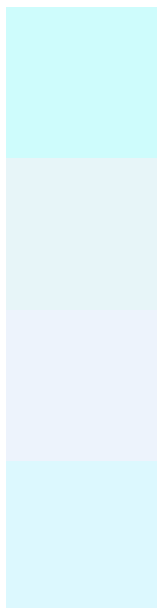
89.3852, 89.4373, 104.6475



Tritanopia

83.0007, 89.6255, 107.5326

Trichromacy



Original Color

77.8347, 89.7709, 105.3207

Protanomaly

82.5507, 89.0711, 101.6485

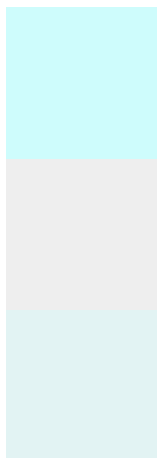
Deuteranomaly

84.5463, 89.1340, 104.8440

Tritanomaly

80.9720, 89.5062, 106.7747

Monochromacy



Original Color

77.8347, 89.7709, 105.3207

Achromatopsia

81.2670, 85.4993, 93.1087

Achromatomaly

79.5923, 86.7410, 97.3417

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.8347, 89.7709, 105.3207 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(206, 252, 252)` looks like.

```
.text, #text, p{  
    color:rgb(206, 252, 252)  
}
```

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(206, 252, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 252, 252) }
```

Border

The CSS property to change the border of an element to XYZ 77.8347, 89.7709, 105.3207 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(206, 252, 252) }
```


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

```
.border{ border-color:rgb(206, 252, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 252, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 252, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 252, 252);  
box-shadow:4px 4px 4px 4px rgb(206, 252,  
252) }
```

Background

The CSS property to change the background color of an element to XYZ 77.8347, 89.7709, 105.3207 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 252, 252) }
```

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

```
.background{ background-color: rgb(206,  
252, 252) }
```

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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