

Converting Colors

XYZ(77.2697, 87.4506,
102.8084)

Have a look what the booklet for
XYZ(77.2697, 87.4506, 102.8084)
contains.

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Color

**XYZ(77.2446, 87.6760,
102.4745)**

Conversions

Conversions Part 1

Format	Color
Hex	D2F8F9
RGB	210, 248, 249
RGB Percent	82%, 97%, 98%
CMY	0.1765, 0.0274, 0.0235
CMYK	0.16, 0.00, 0.00, 0.02
HSL	182°, 76%, 90%
HSV	182°, 16%, 98%
XYZ	77.2446, 87.6760, 102.4745
YIQ	236.7520, -22.9690, -7.7450

Conversions

Conversions Part 2

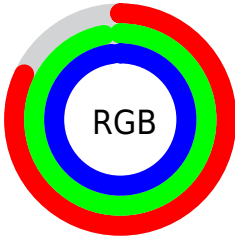
Format	Color
R _Y B	210, 229, 249
Decimal	13826297
CIE Lab	95.02, -11.95, -4.58
CIE LCh	95, 12.797, 200.948
Yxy	87.6760, 0.2889, 0.3279
Android (android.graphics.Color)	4292016377 (0xFFD2F8F9)
YUV	236.7520, 6.0383, -23.4615
Hunter-Lab	93.6355, -16.6084, 0.6579

Details

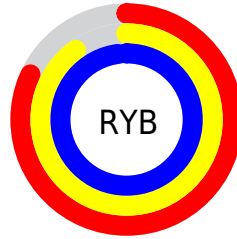
The XYZ color **77.2446, 87.6760, 102.4745** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **73.9947, 71.3812, 70.8523**, and the grayscale version is **80.2753, 84.4559, 91.9725**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.9928, 48.5181, 57.6037** is the 20% darker color. If you saturate the color by 10%, you get **70.5051, 83.9140, 102.1050**, and if you desaturate by 10%, it is **85.0929, 92.0152, 102.8998**.

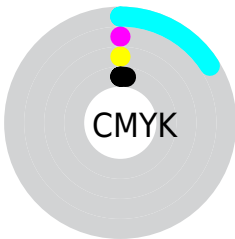
Distribution



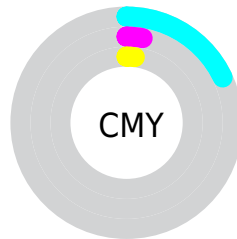
- Red (82%)
- Green (97%)
- Blue (98%)



- Red (82%)
- Yellow (90%)
- Blue (98%)



- Cyan (16%)
- Magenta (0%)
- Yellow (0%)
- Black (2%)



- Cyan (18%)
- Magenta (3%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.2446, 87.6760, 102.4745 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 77.2446, 87.6760, 102.4745 by changing the saturation by 10% instead.

77.2446, 87.6760,
102.4745

77.2446, 87.6760,
102.4745

474.4768,
520.4416, 589.4116

57.7543, 66.0548,
77.7403

128.4557,
144.1060, 166.6350

41.8536, 48.3169,
57.3455

160.9072,
179.6836, 206.8985

29.1773, 34.0779,
40.8715

198.4098,
220.6820, 253.1754

19.3599, 22.9534,
27.8997

241.3289,
267.4858, 305.8844

12.0362, 14.5591,
18.0117

290.0297,
320.4792, 365.4440

6.8407, 8.5106,
10.7889

344.8778,

3.4081, 4.4233,

380.0467, 432.2727

5.8127

406.2383,
446.5727, 506.7891

■ 1.3731, 1.9131,
2.6646

■ 0.2369, 0.5562,
0.9255

■ 77.2446, 87.6760,
102.4745

■ 77.2446, 87.6760,
102.4745

■ 70.5051, 83.9140,
102.1050

■ 85.0929, 92.0152,
102.8998

■ 64.8158, 80.6922,
101.7830

■ 92.3008, 96.0229,
103.2935

■ 60.1245, 77.9858,
101.5078

■ 92.4981, 96.4175,
103.3592

■ 56.3714, 75.7640,
101.2768

■ 92.6960, 96.8134,
103.4252

53.4903, 73.9928,
101.0868

92.8946, 97.2106,
103.4914

51.4063, 72.6334,
100.9342

93.0939, 97.6092,
103.5579

50.0321, 71.6410,
100.8151

93.2939, 98.0092,
103.6245

49.2597, 70.9598,
100.7243

93.4946, 98.4105,
103.6914

49.0418, 70.7250,
100.6905

93.6959, 98.8131,
103.7585

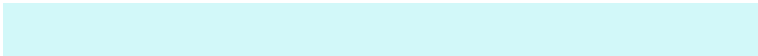
Harmonies

Analogous

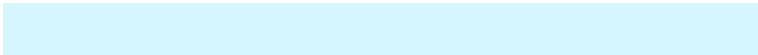
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.9042, 87.6760, 92.4837



77.2446, 87.6760, 102.4745



79.1921, 87.6760, 111.1181

Triad

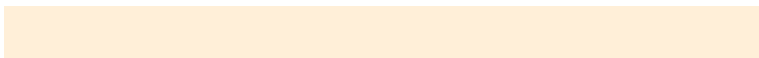
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.2446, 87.6760, 102.4745



88.6336, 87.6760, 108.0419



84.3896, 87.6760, 77.7773

Complementary

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



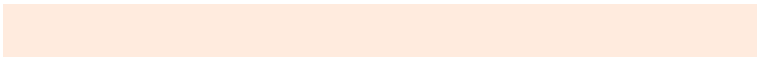
77.2446, 87.6760, 102.4745



73.9947, 71.3812, 70.8523

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.



87.6166, 87.6760, 81.3542



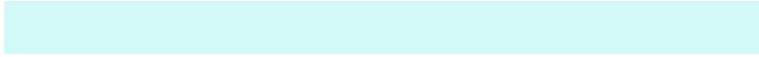
77.2446, 87.6760, 102.4745



90.1114, 87.6760, 98.5082

Square

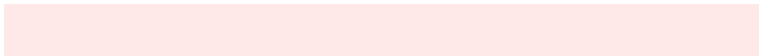
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.2446, 87.6760, 102.4745



85.7465, 87.6760, 114.4846



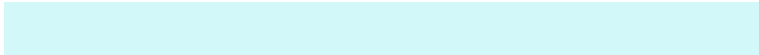
89.7341, 87.6760, 88.7813



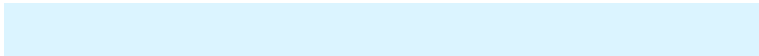
80.9660, 87.6760, 78.6767

Rectangle

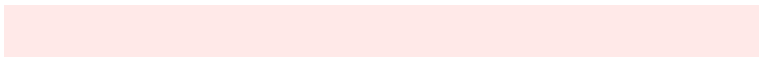
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.2446, 87.6760, 102.4745



81.1702, 87.6760, 114.7295



89.7341, 87.6760, 88.7813



85.5347, 87.6760, 78.4863

Sweetspot

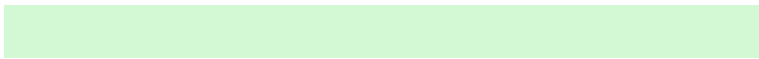
The Sweet Spot groups the original color and five complimentary colors.



77.2471, 87.6796, 102.4765



90.4100, 97.4538, 108.6531



72.1695, 86.1401, 74.2227



19.2171, 20.7853, 23.2491



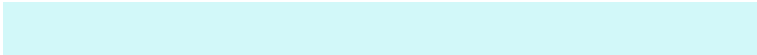
0.0000, 0.0000, 0.0000



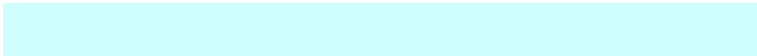
20.3446, 21.4041, 23.3091

Same Dimension

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



77.2471, 87.6796, 102.4765



79.0229, 91.1533, 108.0371



71.6565, 76.4984, 100.6129



17.7256, 19.5280, 22.2203



26.2680, 37.8915, 53.9029



2.4446, 3.5328, 4.9962

Inverse Universe

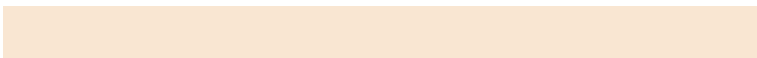
The Inverse Universe completely reimagines the original color for something new.



79.0588, 73.0120, 98.7370



81.2952, 72.8084, 103.3349



79.0398, 81.4716, 72.5340



17.9728, 17.5165, 21.7123



29.5509, 14.2361, 46.4708



2.7428, 1.3209, 4.3351

Previews

White Background



This preview shows how the XYZ color 77.2446, 87.6760, 102.4745 looks on a white background.

Color Contrast Check

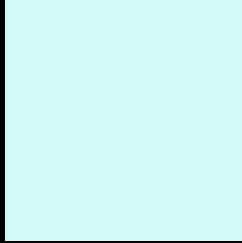
Large Text (above 18pt) WCAG AA × Fail

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 77.2446, 87.6760, 102.4745 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

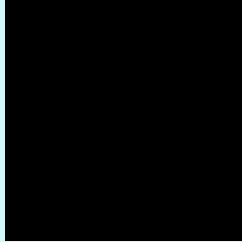
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

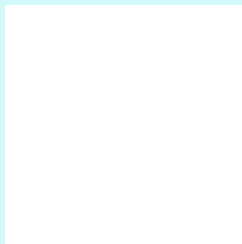
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.2446, 87.6760, 102.4745

Background



This preview shows how black text looks on a background with the XYZ color 77.2446, 87.6760, 102.4745.

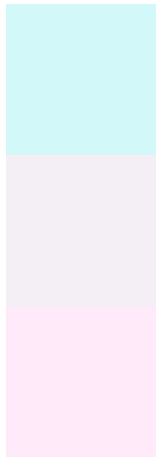


This preview shows how white text looks on a background with the XYZ color 77.2446, 87.6760,

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

77.2446, 87.6760, 102.4745

Protanopia

84.1578, 87.3193, 98.0067

Deuteranopia

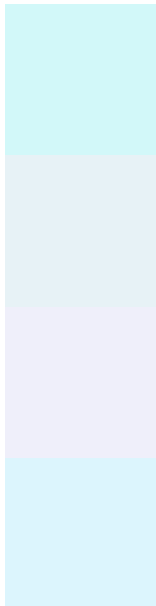
87.9181, 87.0078, 102.6029



Tritanopia

81.1519, 87.3287, 107.1867

Trichromacy



Original Color

77.2446, 87.6760, 102.4745

Protanomaly

81.3417, 87.1470, 99.7227

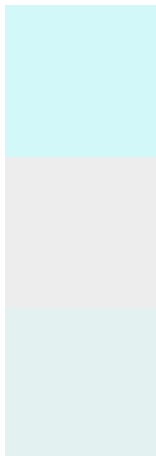
Deuteranomaly

83.7184, 86.9859, 102.8200

Tritanomaly

79.8972, 87.6123, 105.6283

Monochromacy



Original Color

77.2446, 87.6760, 102.4745

Achromatopsia

80.4953, 84.6873, 92.2245

Achromatomaly

79.0110, 85.5924, 95.5757

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.2446, 87.6760, 102.4745 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(210, 248, 249)` looks like.

```
.text, #text, p{  
    color:rgb(210, 248, 249)  
}
```

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(210, 248, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 248, 249) }
```

Border

The CSS property to change the border of an element to XYZ 77.2446, 87.6760, 102.4745 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(210, 248, 249) }
```


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

```
.border{ border-color:rgb(210, 248, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 248, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 248, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 248, 249);  
box-shadow:4px 4px 4px 4px rgb(210, 248,  
249) }
```

Background

The CSS property to change the background color of an element to XYZ 77.2446, 87.6760, 102.4745 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 248, 249) }
```

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

```
.background{ background-color: rgb(210,  
248, 249) }
```

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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