

Converting Colors

XYZ(78.1252, 87.6183, 92.1095)

Have a look what the booklet for
XYZ(78.1252, 87.6183, 92.1095)
contains.

XYZ(77.9149, 87.3398, 92.1086)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(77.9149, 87.3398,
92.1086)**

Conversions

Conversions Part 1

Format	Color
Hex	DDF6EC
RGB	221, 246, 236
RGB Percent	87%, 96%, 93%
CMY	0.1333, 0.0353, 0.0745
CMYK	0.10, 0.00, 0.04, 0.04
HSL	156°, 58%, 92%
HSV	156°, 10%, 96%
XYZ	77.9149, 87.3398, 92.1086
YIQ	237.3850, -11.6900, -8.4100

Conversions

Conversions Part 2

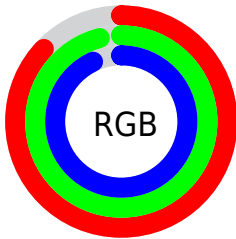
Format	Color
R _Y B	221, 237, 246
Decimal	14546668
CIE Lab	94.88, -9.99, 2.02
CIE LCh	95, 10.196, 168.546
Yxy	87.3398, 0.3027, 0.3394
Android (android.graphics.Color)	4292736748 (0xFFDDF6EC)
YUV	237.3850, -0.6828, -14.3696
Hunter-Lab	93.4558, -14.7306, 6.9837

Details

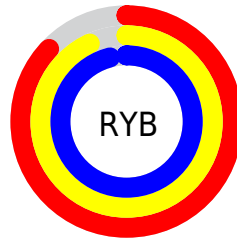
The XYZ color **77.9149, 87.3398, 92.1086** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **78.2895, 77.0776, 86.3566**, and the grayscale version is **80.8065, 85.0148, 92.5811**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.3776, 48.2292, 50.2556** is the 20% darker color. If you saturate the color by 10%, you get **69.5763, 83.2042, 84.4592**, and if you desaturate by 10%, it is **87.4348, 92.0801, 100.2284**.

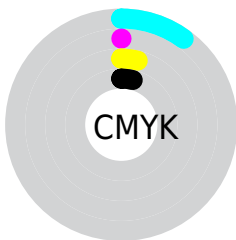
Distribution



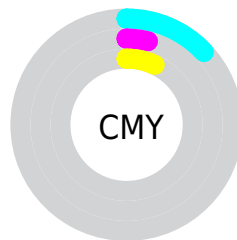
- Red (87%)
- Green (96%)
- Blue (93%)



- Red (87%)
- Yellow (93%)
- Blue (96%)



- Cyan (10%)
- Magenta (0%)
- Yellow (4%)
- Black (4%)



- Cyan (13%)
- Magenta (4%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.9149, 87.3398, 92.1086 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 77.9149, 87.3398, 92.1086 by changing the saturation by 10% instead.

77.9149, 87.3398,
92.1086

77.9149, 87.3398,
92.1086

476.7220,
519.3388, 555.6125

58.3066, 65.7764,
69.1473

129.3962,
143.6377, 152.2249

42.2994, 48.0909,
50.3592

161.9998,
179.1410, 190.2170

29.5279, 33.8989,
35.3257

199.6660,
220.0597, 234.0564

19.6269, 22.8160,
23.6283

242.7601,
266.7783, 284.1617

12.2308, 14.4577,
14.8485

291.6473,
319.6811, 340.9514

6.9744, 8.4397,
8.5677

346.6932,

3.4923, 4.3775,

379.1525, 404.8441

4.3673

408.2629,
445.5769, 476.2583

■ 1.4191, 1.8869,
1.8290

■ 0.2698, 0.5405,
0.4470

■ 77.9149, 87.3398,
92.1086

■ 77.9149, 87.3398,
92.1086

■ 69.5763, 83.2042,
84.4592

■ 87.4348, 92.0801,
100.2284

■ 62.3627, 79.6372,
77.2655

■ 92.2474, 94.3948,
107.9658

■ 56.2243, 76.6157,
70.5202

■ 51.1046, 74.1107,
64.2139

■ 46.9415, 72.0903,
58.3365

■ 43.6659, 70.5191,
52.8776

■ 41.1991, 69.3567,
47.8259

■ 39.4471, 68.5547,
43.1693

■ 38.2696, 68.0397,
38.9595

Harmonies

Analogous

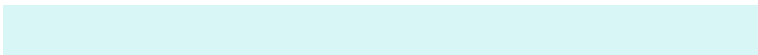
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.0952, 87.3398, 85.3766



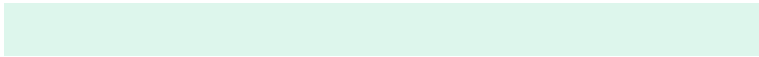
77.9149, 87.3398, 92.1086



78.0781, 87.3398, 100.0204

Triad

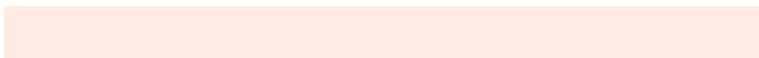
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.9149, 87.3398, 92.1086



84.7152, 87.3398, 110.2654



86.5810, 87.3398, 84.1440

Complementary

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



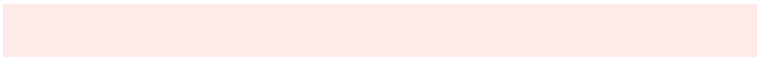
77.9149, 87.3398, 92.1086



78.2895, 77.0776, 86.3566

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.



88.1534, 87.3398, 90.3402



77.9149, 87.3398, 92.1086



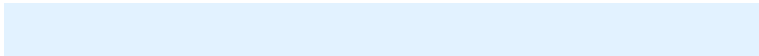
87.0598, 87.3398, 105.5310

Square

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



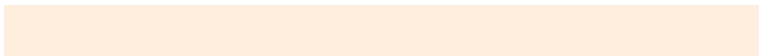
77.9149, 87.3398, 92.1086



81.9633, 87.3398, 110.8039



88.3306, 87.3398, 98.1518



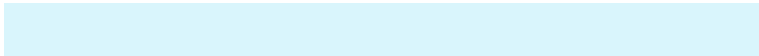
84.0733, 87.3398, 80.9514

Rectangle

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



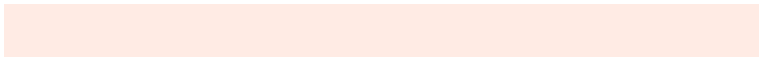
77.9149, 87.3398, 92.1086



78.9276, 87.3398, 104.8984



88.3306, 87.3398, 98.1518



87.2388, 87.3398, 85.9282

Sweetspot

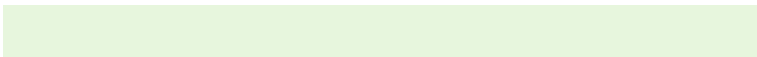
The Sweet Spot groups the original color and five complimentary colors.



77.9174, 87.3435, 92.1105



91.8024, 98.3823, 106.1962



79.0995, 88.1943, 81.2622



19.4680, 20.9675, 22.5774



0.0000, 0.0000, 0.0000



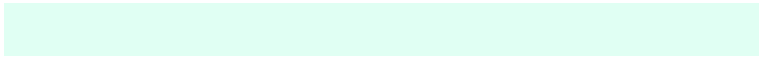
20.3446, 21.4041, 23.3091

Same Dimension

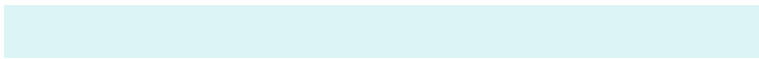
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.9174, 87.3435, 92.1105



82.7656, 93.8877, 98.3619



78.7819, 86.6809, 99.7719



16.6996, 18.6390, 19.7026



20.4970, 36.3436, 21.1688



1.8522, 3.2145, 2.1274

Inverse Universe

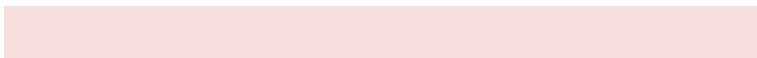
The Inverse Universe completely reimagines the original color for something new.



78.2895, 77.0776, 86.3566



83.2372, 80.8801, 91.0717



77.4699, 77.6354, 79.3100



16.7738, 16.5924, 18.5555



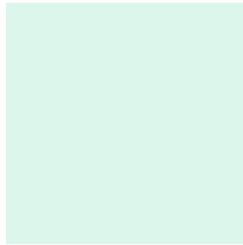
21.5383, 10.9588, 7.5431



1.9423, 0.9829, 0.9226

Previews

White Background



This preview shows how the XYZ color 77.9149, 87.3398, 92.1086 looks on a white background.

Color Contrast Check

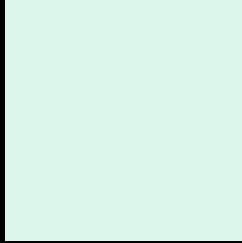
Large Text (above 18pt) WCAG AA × Fail

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 77.9149, 87.3398, 92.1086 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

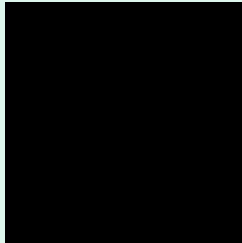
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

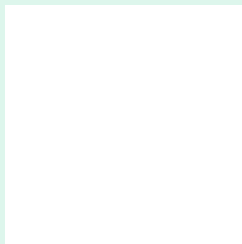
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.9149, 87.3398, 92.1086

Background



This preview shows how black text looks on a background with the XYZ color 77.9149, 87.3398, 92.1086.



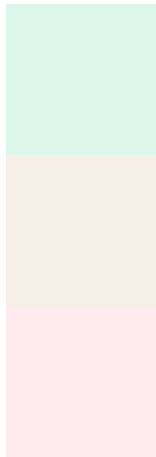
This preview shows how white text looks on a background with the XYZ color 77.9149, 87.3398,

92.1086.

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

77.9149, 87.3398, 92.1086

Protanopia

83.4380, 87.1520, 88.7683

Deuteranopia

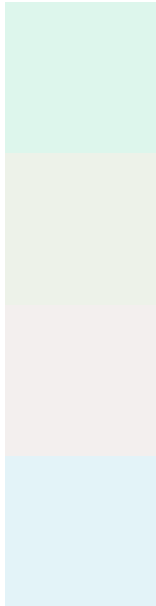
86.5283, 86.9087, 93.8759



Tritanopia

82.4353, 87.5473, 107.1612

Trichromacy



Original Color

77.9149, 87.3398, 92.1086

Protanomaly

81.3852, 87.3920, 89.6697

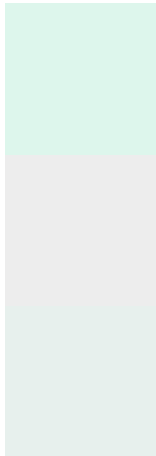
Deuteranomaly

83.2613, 86.9607, 93.2857

Tritanomaly

80.6724, 87.2094, 101.3881

Monochromacy



Original Color

77.9149, 87.3398, 92.1086

Achromatopsia

80.4953, 84.6873, 92.2245

Achromatomaly

79.4011, 85.4235, 92.4243

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.9149, 87.3398, 92.1086 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(221, 246, 236)` looks like.

```
.text, #text, p{  
    color:rgb(221, 246, 236)  
}
```

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(221, 246, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 246, 236) }
```

Border

The CSS property to change the border of an element to XYZ 77.9149, 87.3398, 92.1086 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(221, 246, 236) }
```


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

```
.border{ border-color:rgb(221, 246, 236) }
```

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

Here you see how a box with a 4 pixel rgb(221, 246, 236) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 246, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 246, 236);  
box-shadow:4px 4px 4px 4px rgb(221, 246,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 77.9149, 87.3398, 92.1086 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 246, 236) }
```

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

```
.background{ background-color: rgb(221,  
246, 236) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor