

Converting Colors

XYZ(77.8773, 90.0424, 72.9499)

Have a look what the booklet for
XYZ(77.8773, 90.0424, 72.9499)
contains.

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Color

**XYZ(77.8773, 90.0424,
72.9499)**

Conversions

Conversions Part 1

Format	Color
Hex	E4FBD0
RGB	228, 251, 208
RGB Percent	89%, 98%, 82%
CMY	0.1059, 0.0157, 0.1843
CMYK	0.09, 0.00, 0.17, 0.02
HSL	92°, 84%, 90%
HSV	92°, 17%, 98%
XYZ	77.8773, 90.0424, 72.9499
YIQ	239.2210, 0.0950, -18.2490

Conversions

Conversions Part 2

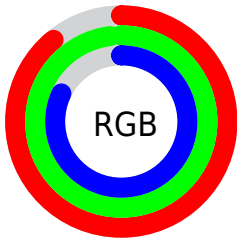
Format	Color
R_{YB}	208, 251, 231
Decimal	15006672
CIE _{Lab}	96.01, -14.95, 18.12
CIE _{LCh}	96, 23.492, 129.516
Yxy	90.0424, 0.3233, 0.3738
Android (android.graphics.Color)	4293196752 (0xFFE4FBD0)
YUV	239.2210, -15.3920, -9.8408
Hunter-Lab	94.8907, -19.5627, 20.8426

Details

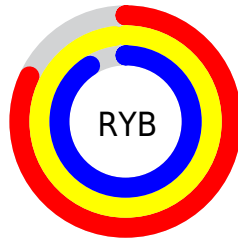
The XYZ color **77.8773, 90.0424, 72.9499** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **72.9270, 69.0682, 100.7594**, and the grayscale version is **82.3344, 86.6222, 94.3316**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.1378, 49.6873, 37.9416** is the 20% darker color. If you saturate the color by 10%, you get **70.9353, 86.7954, 57.7605**, and if you desaturate by 10%, it is **85.6438, 93.6633, 90.7327**.

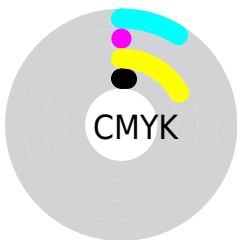
Distribution



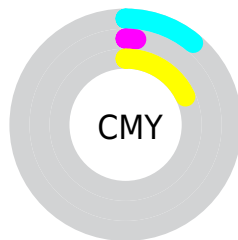
- Red (89%)
- Green (98%)
- Blue (82%)



- Red (82%)
- Yellow (98%)
- Blue (91%)



- Cyan (9%)
- Magenta (0%)
- Yellow (17%)
- Black (2%)





- Cyan (11%)
- Magenta (2%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 77.8773, 90.0424, 72.9499 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 77.8773, 90.0424, 72.9499 by changing the saturation by 10% instead.


 77.8773, 90.0424,
72.9499

 77.8773, 90.0424,
72.9499


476.5962,
528.1688, 489.9073

 58.2756, 68.0158,
53.4434


129.3434,
147.3973, 125.1263

 42.2744, 49.9106,
37.7667


161.9386,
183.4944, 158.6334

 29.5083, 35.3424,
25.5013

199.5956,
225.0504, 197.6444

 19.6119, 23.9267,
16.2285

242.6798,
272.4498, 242.5778

 12.2198, 15.2793,
9.5299

291.5567,
326.0769, 293.8523

 6.9668, 9.0156,
4.9869

346.5914,

 3.4875, 4.7514,

386.3162, 351.8864

2.1810

408.1495,
453.5520, 417.0985

■ 1.4165, 2.1021,
0.6634

■ 0.2679, 0.6658,
0.0000

■ 77.8773, 90.0424,
72.9499

■ 77.8773, 90.0424,
72.9499

■ 70.9353, 86.7954,
57.7605

■ 85.6438, 93.6633,
90.7327

■ 64.7802, 83.8975,
45.0376

■ 93.7360, 97.4506,
108.4772

■ 59.3818, 81.3389,
34.6522

■ 93.7890, 97.4779,
108.4797

■ 54.7051, 79.1044,
26.4614

■ 50.7117, 77.1778,
20.3066

■ 47.3586, 75.5409,
16.0080

■ 44.5968, 74.1730,
13.3542

■ 42.3651, 73.0485,
12.0736

■ 41.7991, 72.7613,
11.8413

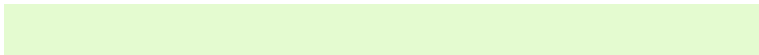
Harmonies

Analogous

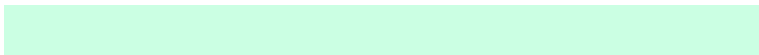
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.5338, 90.0424, 66.8199



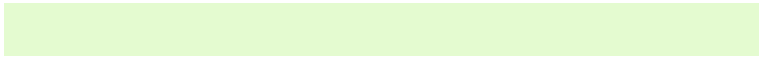
77.8773, 90.0424, 72.9499



74.4054, 90.0424, 86.0465

Triad

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



77.8773, 90.0424, 72.9499



81.2851, 90.0424, 135.5199



98.5036, 90.0424, 92.2440

Complementary

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



77.8773, 90.0424, 72.9499



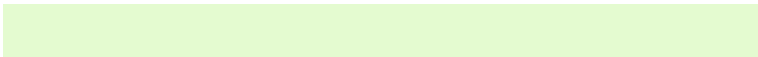
72.9270, 69.0682, 100.7594

Split Complementary

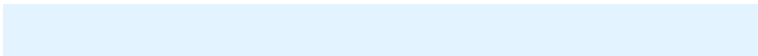
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



97.8265, 90.0424, 111.1011



77.8773, 90.0424, 72.9499



87.6646, 90.0424, 137.7277

Square

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



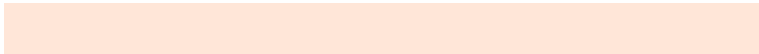
77.8773, 90.0424, 72.9499



76.3027, 90.0424, 122.6132



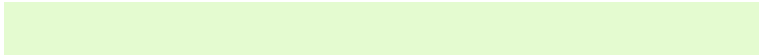
93.7801, 90.0424, 128.3117



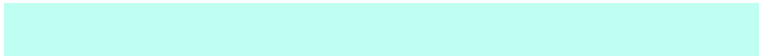
95.5859, 90.0424, 76.9925

Rectangle

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



77.8773, 90.0424, 72.9499



73.6887, 90.0424, 97.7393



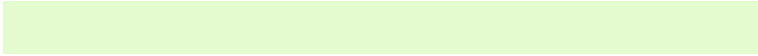
93.7801, 90.0424, 128.3117



98.6921, 90.0424, 98.3431

Sweetspot

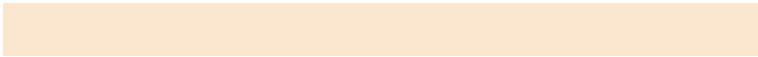
The Sweet Spot groups the original color and five complimentary colors.



77.8797, 90.0463, 72.9519



90.5997, 97.9351, 98.3297



79.7295, 82.1812, 71.3362



19.2620, 20.9017, 20.7408



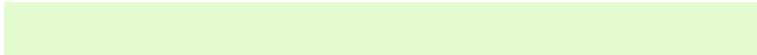
0.0000, 0.0000, 0.0000



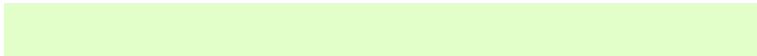
20.3446, 21.4041, 23.3091

Same Dimension

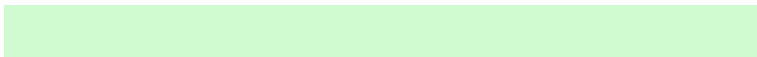
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.8797, 90.0463, 72.9519



77.8307, 91.9843, 69.1889



72.0746, 87.0332, 73.6051



17.7847, 19.7048, 18.3284



22.1346, 38.3291, 6.2316



2.1710, 3.6123, 0.5828

Inverse Universe

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



72.9270, 69.0682, 100.7594



71.7057, 66.0423, 103.5759



79.5304, 72.4984, 99.8931



17.1698, 17.1002, 21.7810



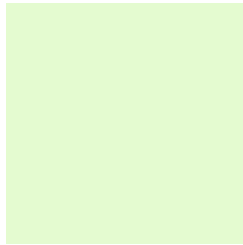
14.5133, 6.4246, 48.4487



1.4666, 0.6581, 4.4929

Previews

White Background



This preview shows how the XYZ color 77.8773, 90.0424, 72.9499 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 77.8773, 90.0424, 72.9499 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

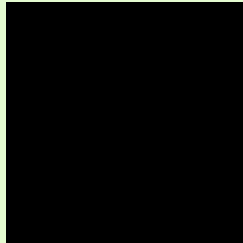
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

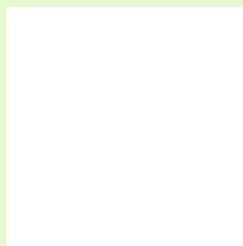
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.8773, 90.0424, 72.9499

Background



This preview shows how black text looks on a background with the XYZ color 77.8773, 90.0424, 72.9499.



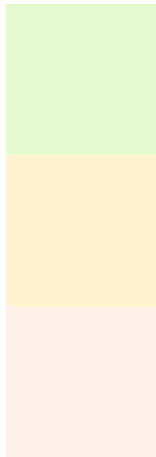
This preview shows how white text looks on a background with the XYZ color 77.8773, 90.0424,

72.9499.

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

77.8773, 90.0424, 72.9499

Protanopia

84.7992, 89.9646, 73.2171

Deuteranopia

87.2514, 89.5207, 90.5225



Tritanopia

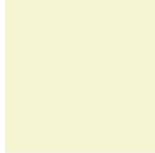
85.6972, 89.6719, 107.3994

Trichromacy



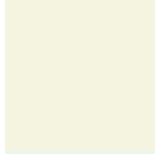
Original Color

77.8773, 90.0424, 72.9499



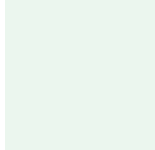
Protanomaly

82.1206, 89.9275, 73.3511



Deuteranomaly

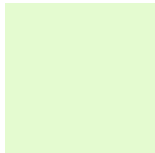
83.5975, 89.5501, 84.1130



Tritanomaly

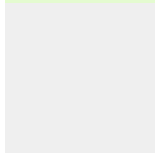
82.6493, 89.7467, 93.8557

Monochromacy



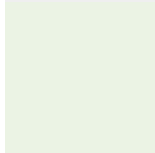
Original Color

77.8773, 90.0424, 72.9499



Achromatopsia

82.0431, 86.3157, 93.9978



Achromatomaly

80.3151, 87.3648, 86.0288

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.8773, 90.0424, 72.9499 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(228, 251, 208)` looks like.

```
.text, #text, p{  
    color:rgb(228, 251, 208)  
}
```

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(228, 251, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 251, 208) }
```

Border

The CSS property to change the border of an element to XYZ 77.8773, 90.0424, 72.9499 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(228, 251, 208) }
```


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

```
.border{ border-color:rgb(228, 251, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 251, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 251, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 251, 208);  
box-shadow:4px 4px 4px 4px rgb(228, 251,  
208) }
```

Background

The CSS property to change the background color of an element to XYZ 77.8773, 90.0424, 72.9499 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 251, 208) }
```

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

```
.background{ background-color: rgb(228,  
251, 208) }
```

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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