

Converting Colors

XYZ(72.1883, 89.6353, 43.6336)

Have a look what the booklet for
XYZ(72.1883, 89.6353, 43.6336)
contains.

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Color

**XYZ(72.2502, 89.6672,
43.6365)**

Conversions

Conversions Part 1

Format	Color
Hex	E0FF99
RGB	224, 255, 153
RGB Percent	88%, 100%, 60%
CMY	0.1216, 0.0000, 0.4000
CMYK	0.12, 0.00, 0.40, 0.00
HSL	78°, 100%, 80%
HSV	78°, 40%, 100%
XYZ	72.2502, 89.6672, 43.6365
YIQ	234.1030, 14.2660, -38.2940

Conversions

Conversions Part 2

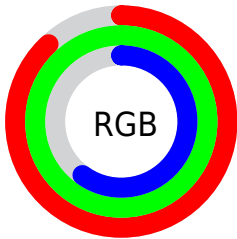
Format	Color
RYB	153, 255, 184
Decimal	14745497
CIELab	95.86, -25.83, 45.40
CIElCh	96, 52.237, 119.633
Yxy	89.6672, 0.3515, 0.4362
Android (android.graphics.Color)	4292935577 (0xFFE0FF99)
YUV	234.1030, -39.9838, -8.8603
Hunter-Lab	94.6928, -29.5176, 38.9628

Details

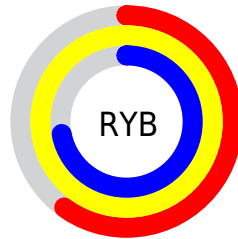
The XYZ color **72.2502, 89.6672, 43.6365** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **49.2096, 40.1941, 99.7724**, and the grayscale version is **78.5698, 82.6615, 90.0184**.

A 20% lighter version of the original color is **88.5086, 97.3834, 74.4536**, and **38.4307, 49.5238, 19.5901** is the 20% darker color. If you saturate the color by 10%, you get **68.0164, 87.7025, 33.5944**, and if you desaturate by 10%, it is **77.0442, 91.8686, 56.0565**.

Distribution



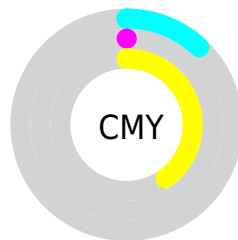
- Red (88%)
- Green (100%)
- Blue (60%)



- Red (60%)
- Yellow (100%)
- Blue (72%)



- Cyan (12%)
- Magenta (0%)
- Yellow (40%)
- Black (0%)





- Cyan (12%)
- Magenta (0%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 72.2502, 89.6672, 43.6365 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 72.2502, 89.6672, 43.6365 by changing the saturation by 10% instead.


 72.2502, 89.6672,
43.6365


 72.2502, 89.6672,
43.6365

457.5561,
526.9477, 377.2207

 53.6493, 67.7047,
30.0497

 121.4211,
146.8760, 81.9671

 38.5509, 49.6575,
19.6240


 152.7217,
182.8911, 107.5481

 26.5897, 35.1413,
11.9407


188.9863,
224.3592, 137.9642

 17.4003, 23.7718,
6.5812

230.5802,
271.6646, 173.6339

 10.6174, 15.1644,
3.1272

277.8688,
325.1917, 214.9759

 5.8756, 8.9348,
1.1599

331.2174,

 2.8095, 4.6987,

385.3250, 262.4087

0.0000

390.9914,
452.4489, 316.3508

■ 1.0538, 2.0716,
0.0000

■ 0.0000, 0.6486,
0.0000

■ 72.2502, 89.6672,
43.6365

■ 72.2502, 89.6672,
43.6365

■ 68.0164, 87.7025,
33.5944

■ 77.0442, 91.8686,
56.0565

■ 64.3115, 85.9618,
25.7738

■ 82.4252, 94.3177,
70.9894

■ 61.1021, 84.4316,
20.0060

■ 88.4194, 97.0250,
88.5649

■ 58.3497, 83.0964,
16.0962

95.0500, 100.0000,
108.9000

■ 56.0086, 81.9376,
13.8120

■ 54.0053, 80.9258,
12.7739

■ 54.0051, 80.9257,
12.7739

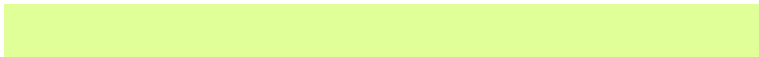
Harmonies

Analogous

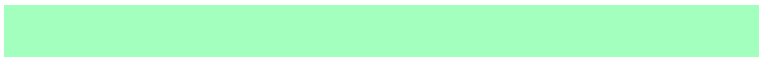
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.4034, 89.6672, 37.8486



72.2502, 89.6672, 43.6365



63.4904, 89.6672, 62.7681

Triad

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



72.2502, 89.6672, 43.6365



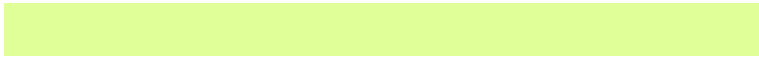
71.9755, 89.6672, 183.3225



116.0352, 89.6672, 98.1410

Complementary

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



72.2502, 89.6672, 43.6365



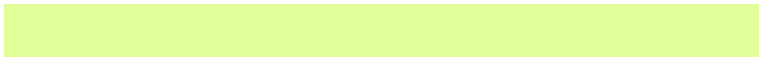
49.2096, 40.1941, 99.7724

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.



111.4299, 89.6672, 143.4793



72.2502, 89.6672, 43.6365



85.0488, 89.6672, 200.3889

Square

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



72.2502, 89.6672, 43.6365



63.3448, 89.6672, 142.3454



99.6692, 89.6672, 184.0964



111.6420, 89.6672, 63.4256

Rectangle

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



72.2502, 89.6672, 43.6365



60.7785, 89.6672, 84.0412



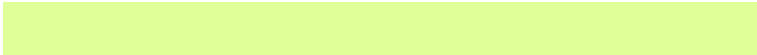
99.6692, 89.6672, 184.0964



115.4813, 89.6672, 112.6151

Sweetspot

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



72.2505, 89.6673, 43.6378



87.1697, 96.4621, 84.8305



64.0479, 57.6759, 37.8951



18.4862, 20.5694, 17.6481



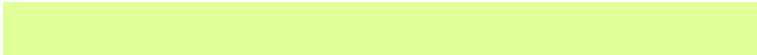
0.0000, 0.0000, 0.0000



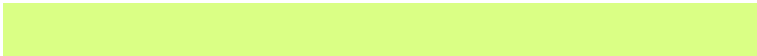
20.3446, 21.4041, 23.3091

Same Dimension

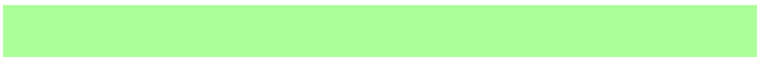
The Same Dimension uses a secret algorithm to generate beautiful new colors.



72.2505, 89.6673, 43.6378



68.8194, 88.0769, 35.4191



58.8327, 82.7502, 43.0098



18.9923, 20.7975, 19.1576



28.3777, 42.3673, 6.6821



2.8742, 4.1825, 0.6558

Inverse Universe

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



49.2096, 40.1941, 99.7724



42.9175, 32.4096, 98.6014



63.5709, 47.5977, 100.4445



17.5221, 17.6454, 22.7323



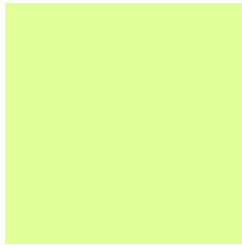
11.1838, 4.6759, 49.7477



1.1943, 0.5096, 4.8487

Previews

White Background



This preview shows how the XYZ color 72.2502, 89.6672, 43.6365 looks on a white background.

Color Contrast Check

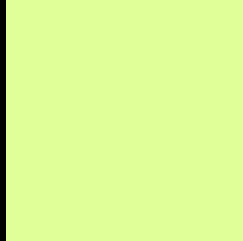
Large Text (above 18pt) WCAG AA × Fail

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 72.2502, 89.6672, 43.6365 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

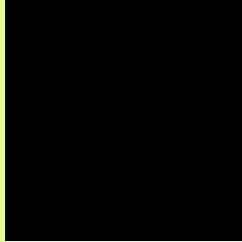
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 72.2502, 89.6672, 43.6365

Background



This preview shows how black text looks on a background with the XYZ color 72.2502, 89.6672, 43.6365.



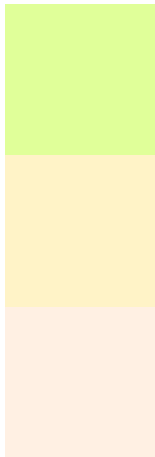
This preview shows how white text looks on a background with the XYZ color 72.2502, 89.6672,

43.6365.

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

72.2502, 89.6672, 43.6365

Protanopia

83.5994, 89.4847, 66.8989

Deuteranopia

86.2652, 89.1262, 85.3295

Tritanopia

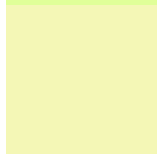
85.7373, 89.2495, 107.3158

Trichromacy



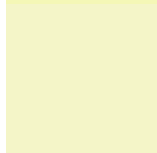
Original Color

72.2502, 89.6672, 43.6365



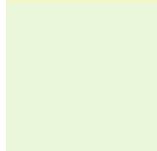
Protanomaly

79.0125, 89.1320, 57.2958



Deuteranomaly

80.3860, 88.7080, 67.5292



Tritanomaly

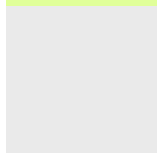
79.8473, 89.0759, 79.3146

Monochromacy



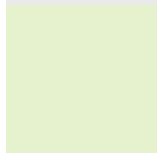
Original Color

72.2502, 89.6672, 43.6365



Achromatopsia

78.2058, 82.2786, 89.6014



Achromatomaly

75.4047, 84.7350, 70.1389

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.2502, 89.6672, 43.6365 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(224, 255, 153)` looks like.

```
.text, #text, p{  
    color:rgb(224, 255, 153)  
}
```

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(224, 255, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 255, 153) }
```

Border

The CSS property to change the border of an element to XYZ 72.2502, 89.6672, 43.6365 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(224, 255, 153) }
```


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

```
.border{ border-color:rgb(224, 255, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 255, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 255, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 255, 153);  
box-shadow:4px 4px 4px 4px rgb(224, 255,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 72.2502, 89.6672, 43.6365 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 255, 153) }
```

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

```
.background{ background-color: rgb(224,  
255, 153) }
```

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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