

Converting Colors

XYZ(72.3184, 89.6777, 44.7519)

Have a look what the booklet for
XYZ(72.3184, 89.6777, 44.7519)
contains.

XYZ(72.5012, 89.7676, 44.9581)	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(72.5012, 89.7676,
44.9581)**

Conversions

Conversions Part 1

Format	Color
Hex	E0FF9C
RGB	224, 255, 156
RGB Percent	88%, 100%, 61%
CMY	0.1216, 0.0000, 0.3882
CMYK	0.12, 0.00, 0.39, 0.00
HSL	79°, 100%, 81%
HSV	79°, 39%, 100%
XYZ	72.5012, 89.7676, 44.9581
YIQ	234.4450, 13.3030, -37.3610

Conversions

Conversions Part 2

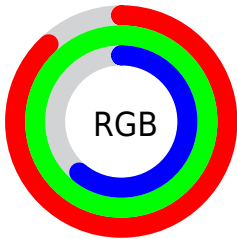
Format	Color
RYB	156, 255, 187
Decimal	14745500
CIELab	95.90, -25.48, 44.00
CIELCh	96, 50.847, 120.074
Yxy	89.7676, 0.3499, 0.4332
Android (android.graphics.Color)	4292935580 (0xFFE0FF9C)
YUV	234.4450, -38.6734, -9.1603
Hunter-Lab	94.7458, -29.2136, 38.1882

Details

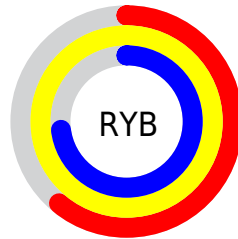
The XYZ color **72.5012, 89.7676, 44.9581** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **50.4331, 41.5630, 99.9721**, and the grayscale version is **78.8204, 82.9252, 90.3056**.

A 20% lighter version of the original color is **88.8837, 97.5335, 76.4285**, and **38.5786, 49.5829, 20.3691** is the 20% darker color. If you saturate the color by 10%, you get **68.1465, 87.7465, 34.6415**, and if you desaturate by 10%, it is **77.4261, 92.0302, 57.6698**.

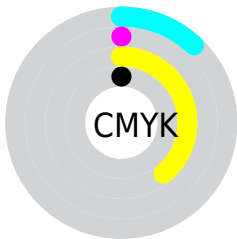
Distribution



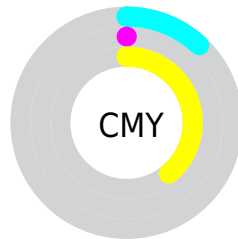
- Red (88%)
- Green (100%)
- Blue (61%)



- Red (61%)
- Yellow (100%)
- Blue (73%)



- Cyan (12%)
- Magenta (0%)
- Yellow (39%)
- Black (0%)





- Cyan (12%)
- Magenta (0%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 72.5012, 89.7676, 44.9581 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 72.5012, 89.7676, 44.9581 by changing the saturation by 10% instead.


 72.5012, 89.7676,
44.9581


 72.5012, 89.7676,
44.9581


458.4148,
527.2746, 382.7590

 53.8551, 67.7879,
31.0817


 121.7758,
147.0155, 83.9753

 38.7161, 49.7252,
20.4021


 153.1350,
183.0526, 109.9532

 26.7186, 35.1951,
12.5007

189.4627,
224.5442, 140.8021

 17.4975, 23.8132,
6.9590

231.1241,
271.8747, 176.9404

 10.6873, 15.1951,
3.3584

278.4847,
325.4287, 218.7867

 5.9227, 8.9564,
1.2804

331.9098,

 2.8384, 4.7128,

385.5904, 266.7595

0.0457

391.7647,
452.7442, 321.2775

■ 1.0689, 2.0797,
0.0000

■ 0.0000, 0.6532,
0.0000

■ 72.5012, 89.7676,
44.9581

■ 72.5012, 89.7676,
44.9581

■ 68.1465, 87.7465,
34.6415

■ 77.4261, 92.0302,
57.6698

■ 64.3308, 85.9542,
26.5656

■ 82.9479, 94.5452,
72.9105

■ 61.0211, 84.3774,
20.5638

■ 89.0926, 97.3231,
90.8084

■ 58.1793, 83.0007,
16.4447

95.0500, 100.0000,
108.9000

■ 55.7608, 81.8059,
13.9816

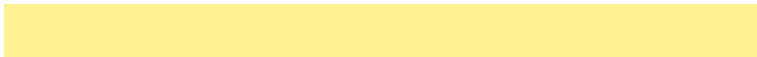
■ 53.7013, 80.7672,
12.8455

■ 53.4728, 80.6513,
12.7489

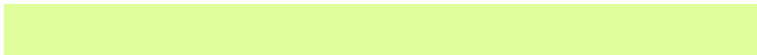
Harmonies

Analogous

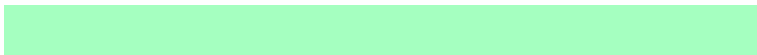
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.2868, 89.7676, 39.0397



72.5012, 89.7676, 44.9581



64.0069, 89.7676, 64.0346

Triad

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



72.5012, 89.7676, 44.9581



72.5550, 89.7676, 181.1805



115.2500, 89.7676, 97.6425

Complementary

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



72.5012, 89.7676, 44.9581



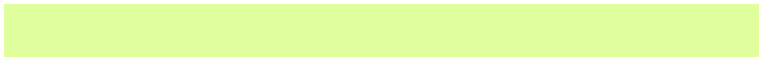
50.4331, 41.5630, 99.9721

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.



110.9092, 89.7676, 141.5871



72.5012, 89.7676, 44.9581



85.3561, 89.7676, 197.1781

Square

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



72.5012, 89.7676, 44.9581



64.0355, 89.7676, 141.8072



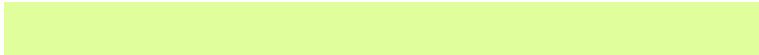
99.5703, 89.7676, 181.0308



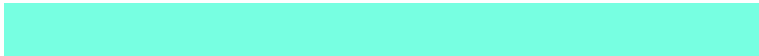
110.8680, 89.7676, 63.9051

Rectangle

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



72.5012, 89.7676, 44.9581



61.4060, 89.7676, 85.0159



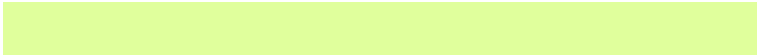
99.5703, 89.7676, 181.0308



114.7571, 89.7676, 111.6779

Sweetspot

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



72.5015, 89.7677, 44.9594



87.0711, 96.4113, 84.8259



64.7372, 58.6527, 39.3628



18.4629, 20.5574, 17.6470



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

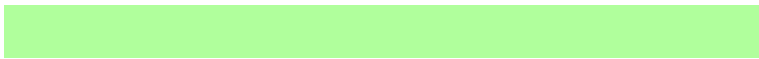
The Same Dimension uses a secret algorithm to generate beautiful new colors.



72.5015, 89.7677, 44.9594



68.8990, 88.0974, 36.3502



59.6208, 83.1275, 44.3566



18.9754, 20.7888, 19.1569



28.1017, 42.2250, 6.6691



2.8489, 4.1694, 0.6546

Inverse Universe

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



50.4331, 41.5630, 99.9721



43.8977, 33.4376, 98.7482



64.2661, 48.6942, 100.6195



17.5382, 17.6536, 22.7331



11.2882, 4.7298, 49.7526



1.2060, 0.5157, 4.8492

Previews

White Background



This preview shows how the XYZ color 72.5012, 89.7676, 44.9581 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 72.5012, 89.7676, 44.9581 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

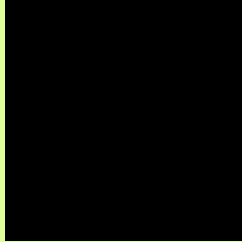
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

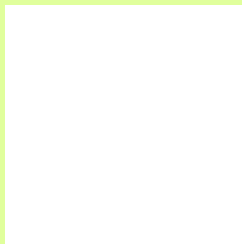
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 72.5012, 89.7676, 44.9581

Background



This preview shows how black text looks on a background with the XYZ color 72.5012, 89.7676, 44.9581.

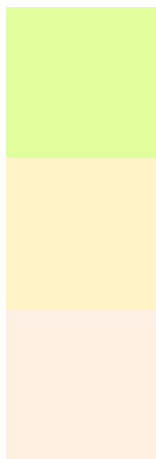


This preview shows how white text looks on a background with the XYZ color 72.5012, 89.7676,

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

72.5012, 89.7676, 44.9581

Protanopia

83.5994, 89.4847, 66.8989

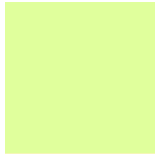
Deuteranopia

86.2652, 89.1262, 85.3295

Tritanopia

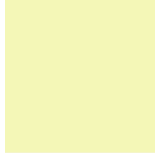
85.7373, 89.2495, 107.3158

Trichromacy



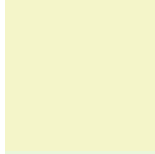
Original Color

72.5012, 89.7676, 44.9581



Protanomaly

79.1162, 89.1735, 57.8421



Deuteranomaly

80.5033, 88.7550, 68.1468



Tritanomaly

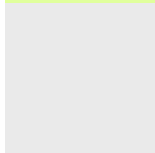
79.9786, 89.1284, 80.0060

Monochromacy



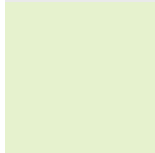
Original Color

72.5012, 89.7676, 44.9581



Achromatopsia

78.2058, 82.2786, 89.6014



Achromatomaly

75.5258, 84.7835, 70.7767

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.5012, 89.7676, 44.9581 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, 156)` looks like.

```
.text, #text, p{  
    color:rgb(224, 255, 156)  
}
```

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, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 255, 156) }
```

Border

The CSS property to change the border of an element to XYZ 72.5012, 89.7676, 44.9581 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, 156) }
```


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

```
.border{ border-color:rgb(224, 255, 156) }
```

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, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 255, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 255, 156);  
box-shadow:4px 4px 4px 4px rgb(224, 255,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 72.5012, 89.7676, 44.9581 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, 156) }
```

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

```
.background{ background-color: rgb(224,  
255, 156) }
```

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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