

Converting Colors

XYZ(73.3779, 90.2805, 42.2436)

Have a look what the booklet for
XYZ(73.3779, 90.2805, 42.2436)
contains.

XYZ(73.2599, 90.2160, 42.4064)	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(73.2599, 90.2160,
42.4064)**

Conversions

Conversions Part 1

Format	Color
Hex	E4FF96
RGB	228, 255, 150
RGB Percent	89%, 100%, 59%
CMY	0.1059, 0.0000, 0.4118
CMYK	0.11, 0.00, 0.41, 0.00
HSL	75°, 100%, 79%
HSV	75°, 41%, 100%
XYZ	73.2599, 90.2160, 42.4064
YIQ	234.9570, 17.6130, -38.3790

Conversions

Conversions Part 2

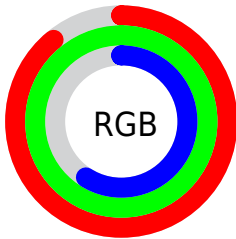
Format	Color
RYB	150, 255, 177
Decimal	15007638
CIELab	96.09, -24.69, 47.20
CIELCh	96, 53.266, 117.620
Yxy	90.2160, 0.3558, 0.4382
Android (android.graphics.Color)	4293197718 (0xFFE4FF96)
YUV	234.9570, -41.8838, -6.1013
Hunter-Lab	94.9821, -28.5412, 40.0164

Details

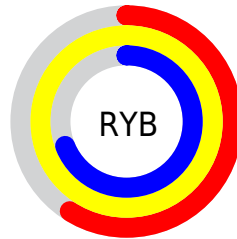
The XYZ color **73.2599, 90.2160, 42.4064** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **47.0890, 38.3811, 99.5342**, and the grayscale version is **79.2315, 83.3577, 90.7766**.

A 20% lighter version of the original color is **88.0194, 97.1878, 71.8776**, and **39.1463, 49.9092, 18.8795** is the 20% darker color. If you saturate the color by 10%, you get **69.3837, 88.4297, 32.6477**, and if you desaturate by 10%, it is **77.6623, 92.2219, 54.5243**.

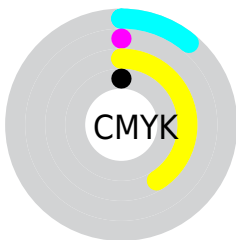
Distribution



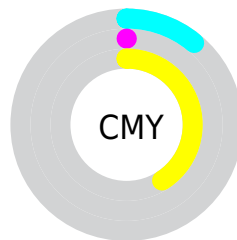
- Red (89%)
- Green (100%)
- Blue (59%)



- Red (59%)
- Yellow (100%)
- Blue (69%)



- Cyan (11%)
- Magenta (0%)
- Yellow (41%)
- Black (0%)





- Cyan (11%)
- Magenta (0%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 73.2599, 90.2160, 42.4064 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 73.2599, 90.2160, 42.4064 by changing the saturation by 10% instead.


 73.2599, 90.2160,
42.4064

 73.2599, 90.2160,
42.4064


461.0049,
528.7332, 372.0141

 54.4776, 68.1598,
29.0917


 122.8472,
147.6384, 80.0910

 39.2158, 50.0278,
18.9040


 154.3830,
183.7734, 105.2981

 27.1092, 35.4355,
11.4248


190.9007,
225.3701, 135.3063

 17.7922, 23.9985,
6.2356

232.7657,
272.8129, 170.5342

 10.8997, 15.3325,
2.9178

280.3432,
326.4862, 211.4004

 6.0662, 9.0531,
1.0528

333.9987,

 2.9264, 4.7758,

386.7745, 258.3235

0.0000

394.0975,
454.0620, 311.7218

■ 1.1150, 2.1163,
0.0000

■ 0.0376, 0.6738,
0.0000

■ 73.2599, 90.2160,
42.4064

■ 73.2599, 90.2160,
42.4064

■ 69.3837, 88.4297,
32.6477

■ 77.6623, 92.2219,
54.5243

■ 66.0029, 86.8506,
25.0903

■ 82.6177, 94.4581,
69.1380

■ 63.0841, 85.4652,
19.5627

■ 88.1518, 96.9352,
86.3782

■ 60.5886, 84.2580,
15.8667

■ 94.2882, 99.6626,
106.3652

■ 58.4705, 83.2104, 95.0500, 100.0000,
13.7642 108.9000

■ 56.8522, 82.3934,
12.9071

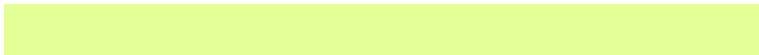
Harmonies

Analogous

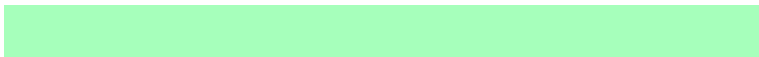
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.9310, 90.2160, 37.3728



73.2599, 90.2160, 42.4064



63.9570, 90.2160, 60.8358

Triad

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



73.2599, 90.2160, 42.4064



71.4382, 90.2160, 184.0310



117.3206, 90.2160, 101.6423

Complementary

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



73.2599, 90.2160, 42.4064



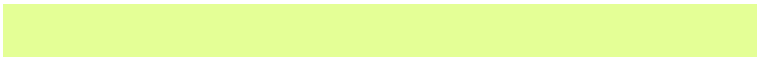
47.0890, 38.3811, 99.5342

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.



111.9984, 90.2160, 148.4657



73.2599, 90.2160, 42.4064



84.5750, 90.2160, 203.7854

Square

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



73.2599, 90.2160, 42.4064



62.9931, 90.2160, 140.9022



99.5794, 90.2160, 189.2057



113.4118, 90.2160, 65.1809

Rectangle

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



73.2599, 90.2160, 42.4064



60.9218, 90.2160, 81.8240



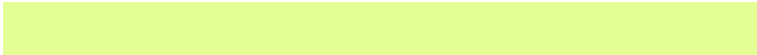
99.5794, 90.2160, 189.2057



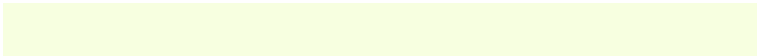
116.5397, 90.2160, 116.6940

Sweetspot

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



73.2601, 90.2161, 42.4077



87.6729, 96.7216, 84.8540



62.3201, 54.6118, 36.1119



18.6050, 20.6307, 17.6537



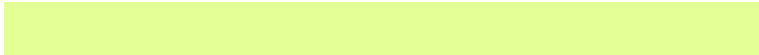
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

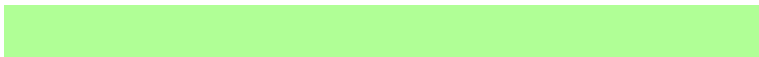
The Same Dimension uses a secret algorithm to generate beautiful new colors.



73.2601, 90.2161, 42.4077



70.1837, 88.8002, 34.5778



59.2269, 82.9816, 41.7509



19.0785, 20.8419, 19.1617



29.8527, 43.1277, 6.7511



3.0081, 4.2515, 0.6621

Inverse Universe

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



47.0890, 38.3811, 99.5342



40.9764, 30.8989, 98.4121



61.1904, 45.6507, 100.1941



17.4408, 17.6035, 22.7285



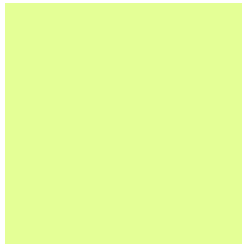
10.7068, 4.4301, 49.7254



1.1388, 0.4810, 4.8461

Previews

White Background



This preview shows how the XYZ color 73.2599, 90.2160, 42.4064 looks on a white background.

Color Contrast Check

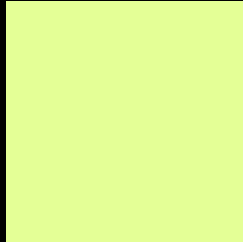
Large Text (above 18pt) WCAG AA × Fail

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 73.2599, 90.2160, 42.4064 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

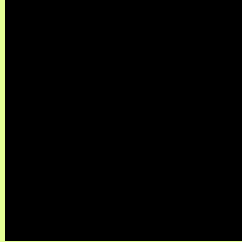
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 73.2599, 90.2160, 42.4064

Background



This preview shows how black text looks on a background with the XYZ color 73.2599, 90.2160, 42.4064.

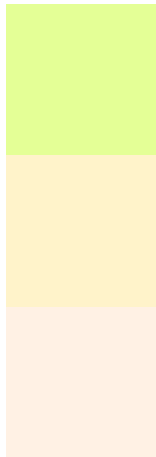


This preview shows how white text looks on a background with the XYZ color 73.2599, 90.2160,

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

73.2599, 90.2160, 42.4064

Protanopia

83.9513, 89.6255, 68.7519

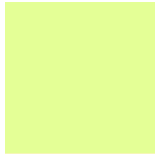
Deuteranopia

86.6989, 89.7720, 86.1570

Tritanopia

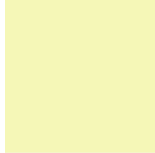
86.7643, 89.7789, 107.3638

Trichromacy



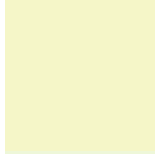
Original Color

73.2599, 90.2160, 42.4064



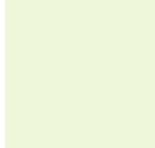
Protanomaly

79.4642, 89.3529, 57.8584



Deuteranomaly

81.0373, 89.4941, 67.6466



Tritanomaly

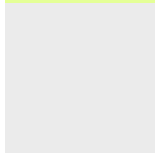
81.0450, 89.7084, 78.6896

Monochromacy



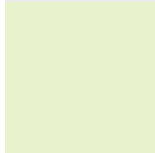
Original Color

73.2599, 90.2160, 42.4064



Achromatopsia

78.9647, 83.0770, 90.4708



Achromatomaly

75.9299, 85.0197, 69.5352

CSS Examples

Text

The CSS property to change the color of the text to XYZ 73.2599, 90.2160, 42.4064 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, 255, 150)` looks like.

```
.text, #text, p{  
    color:rgb(228, 255, 150)  
}
```

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, 255, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 255, 150) }
```

Border

The CSS property to change the border of an element to XYZ 73.2599, 90.2160, 42.4064 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, 255, 150) }
```


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

```
.border{ border-color:rgb(228, 255, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 255, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 255, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 255, 150);  
box-shadow:4px 4px 4px 4px rgb(228, 255,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 73.2599, 90.2160, 42.4064 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 255, 150) }
```

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

```
.background{ background-color: rgb(228,  
255, 150) }
```

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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