

Converting Colors

XYZ(73.9966, 90.6590, 39.5855)

Have a look what the booklet for
XYZ(73.9966, 90.6590, 39.5855)
contains.

XYZ(73.9966, 90.6590, 39.5855)	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(73.9966, 90.6590,
39.5855)**

Conversions

Conversions Part 1

Format	Color
Hex	E8FF8F
RGB	232, 255, 143
RGB Percent	91%, 100%, 56%
CMY	0.0902, 0.0000, 0.4392
CMYK	0.09, 0.00, 0.44, 0.00
HSL	72°, 100%, 78%
HSV	72°, 44%, 100%
XYZ	73.9966, 90.6590, 39.5855
YIQ	235.3550, 22.2440, -39.7080

Conversions

Conversions Part 2

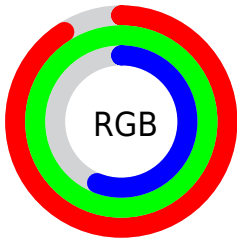
Format	Color
RYB	143, 255, 166
Decimal	15269775
CIELab	96.27, -23.95, 50.82
CIELCh	96, 56.186, 115.233
Yxy	90.6590, 0.3623, 0.4439
Android (android.graphics.Color)	4293459855 (0xFFE8FF8F)
YUV	235.3550, -45.5310, -2.9423
Hunter-Lab	95.2150, -27.9045, 42.0008

Details

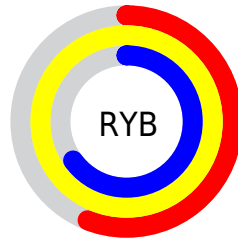
The XYZ color **73.9966, 90.6590, 39.5855** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **43.5995, 34.9732, 99.0603**, and the grayscale version is **79.5598, 83.7031, 91.1527**.

A 20% lighter version of the original color is **87.1930, 96.8572, 67.5258**, and **39.7187, 50.2403, 17.2768** is the 20% darker color. If you saturate the color by 10%, you get **70.6044, 89.1086, 30.4636**, and if you desaturate by 10%, it is **77.8790, 92.4112, 51.0245**.

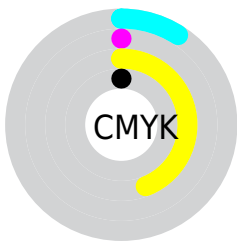
Distribution



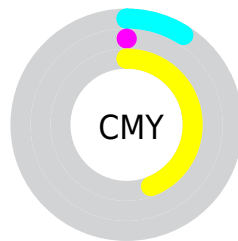
- Red (91%)
- Green (100%)
- Blue (56%)



- Red (56%)
- Yellow (100%)
- Blue (65%)



- Cyan (9%)
- Magenta (0%)
- Yellow (44%)
- Black (0%)




- Cyan (9%)
- Magenta (0%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 73.9966, 90.6590, 39.5855 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 73.9966, 90.6590, 39.5855 by changing the saturation by 10% instead.


 73.9966, 90.6590,
39.5855


 73.9966, 90.6590,
39.5855


463.5121,
530.1722, 359.8734

 55.0825, 68.5273,
26.9042


 123.8865,
148.2534, 75.7621

 39.7019, 50.3269,
17.2695


 155.5931,
184.4850, 100.0944

 27.4894, 35.6732,
10.2628

192.2945,
226.1853, 129.1475

 18.0796, 24.1819,
5.4657

234.3561,
273.7388, 163.3400

 11.1072, 15.4686,
2.4595

282.1434,
327.5299, 203.0902

 6.2068, 9.1489,
0.8186

336.0215,

 3.0131, 4.8384,

387.9428, 248.8168

0.0000

396.3560,
455.3622, 300.9384

■ 1.1607, 2.1528,
0.0000

■ 0.0750, 0.6941,
0.0000

■ 73.9966, 90.6590,
39.5855

■ 73.9966, 90.6590,
39.5855

■ 70.6044, 89.1086,
30.4636

■ 77.8790, 92.4112,
51.0245

■ 67.6712, 87.7476,
23.4963

■ 82.2786, 94.3763,
64.9207

■ 65.1627, 86.5623,
18.5061

■ 87.2213, 96.5645,
81.4074

■ 63.0393, 85.5368,
15.2858

■ 92.7306, 98.9855,
100.6074

■ 61.2523, 84.6514, 95.0500, 100.0000,
13.5820 108.9000

■ 60.2885, 84.1649,
13.0679

Harmonies

Analogous

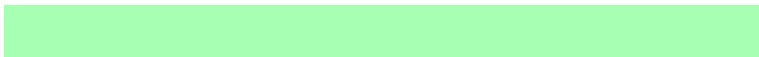
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.6872, 90.6590, 35.4407



73.9966, 90.6590, 39.5855



63.7897, 90.6590, 57.3610

Triad

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



73.9966, 90.6590, 39.5855



70.1615, 90.6590, 187.5001



119.6731, 90.6590, 106.0297

Complementary

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



73.9966, 90.6590, 39.5855



43.5995, 34.9732, 99.0603

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.



113.2509, 90.6590, 156.2902



73.9966, 90.6590, 39.5855



83.6983, 90.6590, 211.5402

Square

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



73.9966, 90.6590, 39.5855



61.7701, 90.6590, 140.0771



99.6073, 90.6590, 198.6716



116.2702, 90.6590, 66.4158

Rectangle

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



73.9966, 90.6590, 39.5855



60.2824, 90.6590, 78.3833



99.6073, 90.6590, 198.6716



118.5717, 90.6590, 122.2833

Sweetspot

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



73.9968, 90.6590, 39.5867



87.7043, 96.7775, 83.0593



59.7260, 50.2990, 32.5486



18.5261, 20.6058, 16.9384



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.



73.9968, 90.6590, 39.5867



70.8969, 89.2432, 31.2106



58.7591, 82.8037, 38.8736



19.1744, 20.8913, 19.1662



31.6294, 44.0436, 6.8342



3.1674, 4.3336, 0.6695

Inverse Universe

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



43.5995, 34.9732, 99.0603



36.8899, 26.8760, 97.8510



57.8140, 42.3010, 99.7255



17.3514, 17.5574, 22.7243



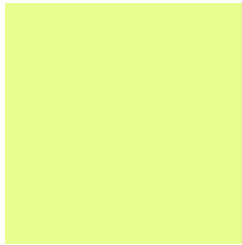
10.2787, 4.2093, 49.7053



1.0857, 0.4536, 4.8436

Previews

White Background



This preview shows how the XYZ color 73.9966, 90.6590, 39.5855 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 73.9966, 90.6590, 39.5855 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 73.9966, 90.6590, 39.5855

Background



This preview shows how black text looks on a background with the XYZ color 73.9966, 90.6590, 39.5855.

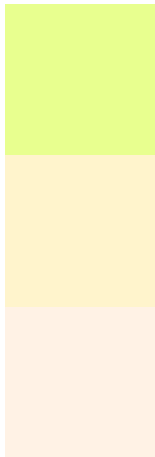


This preview shows how white text looks on a background with the XYZ color 73.9966, 90.6590,

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

73.9966, 90.6590, 39.5855

Protanopia

84.4898, 90.3210, 70.1073

Deuteranopia

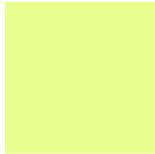
87.1350, 90.4214, 86.9893



Tritanopia

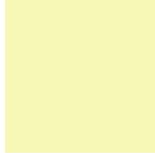
87.8082, 90.3171, 107.4127

Trichromacy



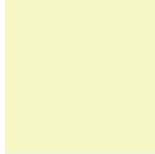
Original Color

73.9966, 90.6590, 39.5855



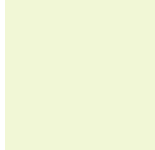
Protanomaly

80.3687, 90.2864, 57.4471



Deuteranomaly

81.8116, 90.3729, 66.5579



Tritanomaly

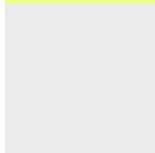
81.6740, 90.0773, 76.7003

Monochromacy



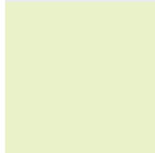
Original Color

73.9966, 90.6590, 39.5855



Achromatopsia

78.9647, 83.0770, 90.4708



Achromatomaly

76.3445, 85.2610, 68.3103

CSS Examples

Text

The CSS property to change the color of the text to XYZ 73.9966, 90.6590, 39.5855 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(232, 255, 143)` looks like.

```
.text, #text, p{  
    color:rgb(232, 255, 143)  
}
```

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(232, 255, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 255, 143) }
```

Border

The CSS property to change the border of an element to XYZ 73.9966, 90.6590, 39.5855 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(232, 255, 143) }
```


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

```
.border{ border-color:rgb(232, 255, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 255, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 255, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 255, 143);  
box-shadow:4px 4px 4px 4px rgb(232, 255,  
143) }
```

Background

The CSS property to change the background color of an element to XYZ 73.9966, 90.6590, 39.5855 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 255, 143) }
```

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

```
.background{ background-color: rgb(232,  
255, 143) }
```

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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