

Converting Colors

XYZ(77.5713, 85.7400, 39.2660)

Have a look what the booklet for
XYZ(77.5713, 85.7400, 39.2660)
contains.

XYZ(77.5109, 85.6245, 39.2300)	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(77.5109, 85.6245,
39.2300)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF091
RGB	255, 240, 145
RGB Percent	100%, 94%, 57%
CMY	0.0000, 0.0588, 0.4314
CMYK	0.00, 0.06, 0.43, 0.00
HSL	52°, 100%, 78%
HSV	52°, 43%, 100%
XYZ	77.5109, 85.6245, 39.2300
YIQ	233.6550, 39.4350, -26.3650

Conversions

Conversions Part 2

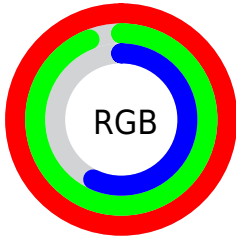
Format	Color
R _Y B	162, 255, 145
Decimal	16773265
CIE Lab	94.15, -7.65, 47.60
CIE LCh	94, 48.213, 99.134
Yxy	85.6245, 0.3830, 0.4231
Android (android.graphics.Color)	4294963345 (0xFFFFF091)
YUV	233.6550, -43.7069, 18.7196
Hunter-Lab	92.5335, -12.4127, 39.6372

Details

The XYZ color **77.5109, 85.6245, 39.2300** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **42.2976, 38.3802, 99.7863**, and the grayscale version is **78.2468, 82.3217, 89.6483**.

A 20% lighter version of the original color is **87.4253, 96.9501, 68.7490**, and **42.0982, 46.9240, 16.9636** is the 20% darker color. If you saturate the color by 10%, you get **74.7485, 82.9010, 29.6733**, and if you desaturate by 10%, it is **80.7384, 88.5716, 51.1207**.

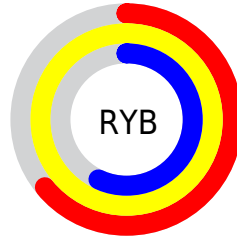
Distribution



Red (100%)

Green (94%)

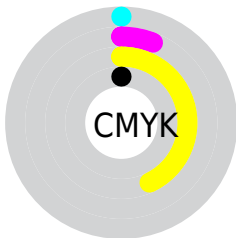
Blue (57%)



Red (64%)

Yellow (100%)

Blue (57%)

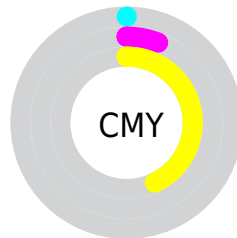


Cyan (0%)

Magenta (6%)

Yellow (43%)

Black (0%)



Cyan (0%)

Magenta (6%)

Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.5109, 85.6245, 39.2300 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 77.5109, 85.6245, 39.2300 by changing the saturation by 10% instead.

77.5109, 85.6245,
39.2300

77.5109, 85.6245,
39.2300

475.3695,
513.6922, 358.3225

57.9737, 64.3575,
26.6295

128.8294,
141.2454, 75.2138

42.0307, 46.9403,
17.0652

161.3415,
176.3680, 99.4341

29.3165, 32.9885,
10.1185

198.9091,
216.8781, 128.3648

19.4659, 22.1176,
5.3710

241.8978,
263.1598, 162.4244

12.1134, 13.9433,
2.4040

290.6728,
315.5977, 202.0314

6.8937, 8.0813,
0.7886

345.5995,

3.4414, 4.1470,

374.5762, 247.6044

0.0000

407.0433,
440.4795, 299.5619

■ 1.3913, 1.7561,
0.0000

■ 0.2500, 0.4596,
0.0000

■ 77.5109, 85.6245,
39.2300

■ 77.5109, 85.6245,
39.2300

■ 74.7485, 82.9010,
29.6733

■ 80.7384, 88.5716,
51.1207

■ 72.4149, 80.3772,
22.2880

■ 84.4520, 91.7415,
65.4830

■ 70.4786, 78.0432,
16.8989

■ 88.6788, 95.1485,
82.4499

■ 68.9005, 75.8834,
13.3013

■ 93.4420, 98.8018,
102.1436

■ 67.6334, 73.8787, 95.0499, 99.9999,
11.2465 108.9000

■ 66.8967, 72.5735,
10.4823

Harmonies

Analogous

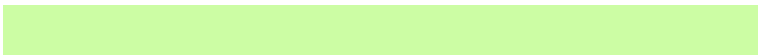
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.5374, 85.6245, 41.3773



77.5109, 85.6245, 39.2300



66.7174, 85.6245, 48.2882

Triad

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



77.5109, 85.6245, 39.2300



63.6276, 85.6245, 145.6076



106.8178, 85.6245, 120.8766

Complementary

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



77.5109, 85.6245, 39.2300



42.2976, 38.3802, 99.7863

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.



98.0553, 85.6245, 159.8635



77.5109, 85.6245, 39.2300



72.8684, 85.6245, 176.5611

Square

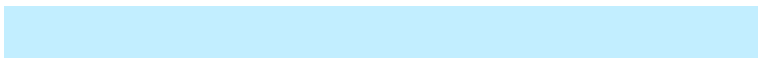
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.5109, 85.6245, 39.2300



59.2775, 85.6245, 104.9625



85.3830, 85.6245, 182.3736



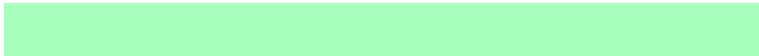
108.3979, 85.6245, 82.4071

Rectangle

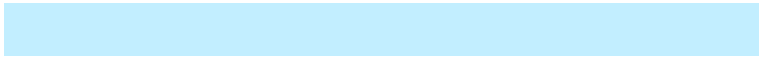
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.5109, 85.6245, 39.2300



61.9034, 85.6245, 61.3416



85.3830, 85.6245, 182.3736



104.5736, 85.6245, 134.6081

Sweetspot

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



77.5130, 85.6285, 39.2318



88.7401, 95.1967, 82.6996



57.8432, 44.1026, 39.4149



18.7843, 20.2104, 16.8485



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

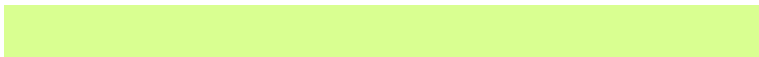
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.5130, 85.6285, 39.2318



75.0405, 83.2006, 30.6468



69.3381, 88.2396, 40.1666



19.3377, 20.6435, 19.1097



35.0367, 38.0847, 5.5044



3.4672, 3.8198, 0.5545

Inverse Universe

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



42.2976, 38.3802, 99.7863



35.5803, 30.2818, 98.5774



47.8238, 37.6006, 99.3446



17.2026, 17.7769, 22.7745



9.8024, 4.5144, 49.7893



1.0126, 0.5560, 4.8672

Previews

White Background



This preview shows how the XYZ color 77.5109, 85.6245, 39.2300 looks on a white background.

Color Contrast Check

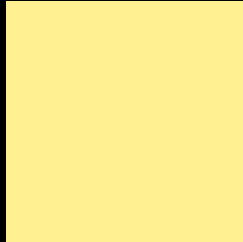
Large Text (above 18pt) WCAG AA × Fail

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 77.5109, 85.6245, 39.2300 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 77.5109, 85.6245, 39.2300

Background



This preview shows how black text looks on a background with the XYZ color 77.5109, 85.6245, 39.2300.

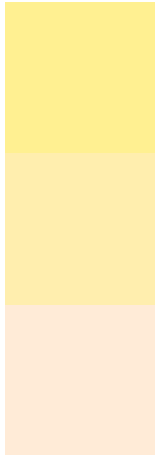


This preview shows how white text looks on a background with the XYZ color 77.5109, 85.6245,

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

77.5109, 85.6245, 39.2300

Protanopia

79.4545, 85.4651, 52.3531

Deuteranopia

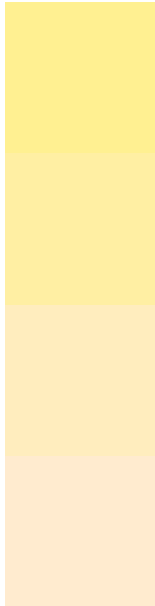
83.2141, 85.5830, 76.4233



Tritanopia

86.2743, 85.4443, 96.7393

Trichromacy



Original Color

77.5109, 85.6245, 39.2300

Protanomaly

78.7174, 85.6373, 47.0311

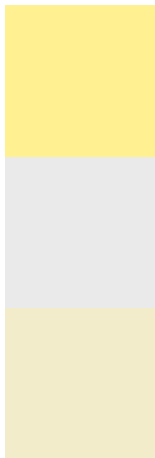
Deuteranomaly

80.8185, 85.5461, 60.9677

Tritanomaly

82.2108, 85.1817, 71.1402

Monochromacy



Original Color

77.5109, 85.6245, 39.2300

Achromatopsia

78.2058, 82.2786, 89.6014

Achromatomaly

77.2741, 83.1324, 67.8505

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.5109, 85.6245, 39.2300 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(255, 240, 145)` looks like.

```
.text, #text, p{  
    color:rgb(255, 240, 145)  
}
```

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(255, 240, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 240, 145) }
```

Border

The CSS property to change the border of an element to XYZ 77.5109, 85.6245, 39.2300 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(255, 240, 145) }
```


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

```
.border{ border-color:rgb(255, 240, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 240, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 240, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 240, 145);  
box-shadow:4px 4px 4px 4px rgb(255, 240,  
145) }
```

Background

The CSS property to change the background color of an element to XYZ 77.5109, 85.6245, 39.2300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 240, 145) }
```

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

```
.background{ background-color: rgb(255,  
240, 145) }
```

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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