

Converting Colors

XYZ(75.2239, 87.6599, 35.6602)

Have a look what the booklet for
XYZ(75.2239, 87.6599, 35.6602)
contains.

XYZ(75.2200, 87.6552, 35.5089)	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(75.2200, 87.6552,
35.5089)**

Conversions

Conversions Part 1

Format	Color
Hex	F5F786
RGB	245, 247, 134
RGB Percent	96%, 97%, 53%
CMY	0.0392, 0.0313, 0.4745
CMYK	0.01, 0.00, 0.46, 0.03
HSL	61°, 88%, 75%
HSV	61°, 46%, 97%
XYZ	75.2200, 87.6552, 35.5089
YIQ	233.5200, 35.0810, -35.5670

Conversions

Conversions Part 2

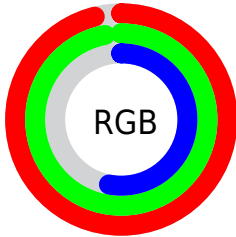
Format	Color
RYB	134, 247, 136
Decimal	16119686
CIELab	95.02, -16.03, 53.74
CIELCh	95, 56.080, 106.605
Yxy	87.6552, 0.3792, 0.4418
Android (android.graphics.Color)	4294309766 (0xFFFF5F786)
YUV	233.5200, -49.0634, 10.0680
Hunter-Lab	93.6244, -20.4315, 43.0501

Details

The XYZ color **75.2200, 87.6552, 35.5089** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **35.4700, 29.0020, 91.7294**, and the grayscale version is **78.1862, 82.2579, 89.5789**.

A 20% lighter version of the original color is **86.1853, 96.4541, 62.2192**, and **40.6095, 48.4205, 14.9903** is the 20% darker color. If you saturate the color by 10%, you get **73.5426, 86.9697, 27.4643**, and if you desaturate by 10%, it is **77.3044, 88.5098, 45.6760**.

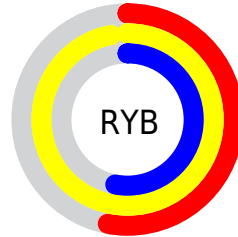
Distribution



Red (96%)

Green (97%)

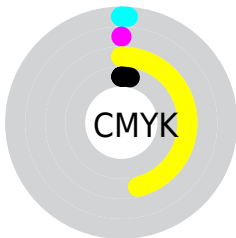
Blue (53%)



Red (53%)

Yellow (97%)

Blue (53%)

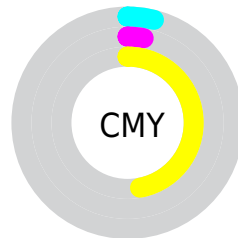


Cyan (1%)

Magenta (0%)

Yellow (46%)

Black (3%)



Cyan (4%)


Magenta (3%)


Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 75.2200, 87.6552, 35.5089 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 75.2200, 87.6552, 35.5089 by changing the saturation by 10% instead.


 75.2200, 87.6552,
35.5089

 75.2200, 87.6552,
35.5089


467.6589,
520.3734, 341.7812


 56.0880, 66.0376,
23.7685


 125.6100,
144.0770, 69.4339

 40.5107, 48.3029,
14.9513


 157.5986,
179.6500, 92.4555

 28.1230, 34.0668,
8.6390


 194.6035,
220.6435, 120.0746

 18.5593, 22.9449,
4.4129

236.9900,
267.4420, 152.7097

 11.4544, 14.5528,
1.8545

285.1234,
320.4299, 190.7794

 6.4429, 8.5062,
0.4635

339.3691,

 3.1594, 4.4205,

379.9914, 234.7022

0.0000

400.0925,
446.5112, 284.8966

■ 1.2386, 1.9115,
0.0000

■ 0.1365, 0.5553,
0.0000

■ 75.2200, 87.6552,
35.5089

■ 75.2200, 87.6552,
35.5089

■ 73.5426, 86.9697,
27.4643

■ 77.3044, 88.5098,
45.6760

■ 72.2374, 86.4300,
21.3870

■ 79.8150, 89.5318,
58.0955


■ 71.2743, 86.0272,
17.1097


■ 82.7777, 90.7347,
72.8930


■ 70.6159, 85.7463,
14.4346


■ 86.2141, 92.1271,
90.1837


 70.2157, 85.5688,
13.1173


 89.7386, 93.5547,
107.9359

 70.0939, 85.5126,
12.8112

 89.8936, 93.6346,
107.9431

 90.0490, 93.7147,
107.9504

 90.2048, 93.7951,
107.9577

 90.3609, 93.8755,
107.9650

Harmonies

Analogous

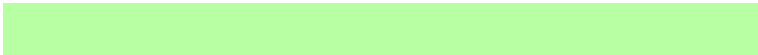
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.2855, 87.6552, 34.8834



75.2200, 87.6552, 35.5089



63.7901, 87.6552, 48.6298

Triad

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



75.2200, 87.6552, 35.5089



64.7661, 87.6552, 170.2980



115.1811, 87.6552, 116.2249

Complementary

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



75.2200, 87.6552, 35.5089



35.4700, 29.0020, 91.7294

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.



106.4623, 87.6552, 165.4562



75.2200, 87.6552, 35.5089



76.7103, 87.6552, 202.5198

Square

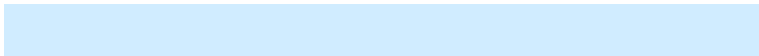
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



75.2200, 87.6552, 35.5089



58.2776, 87.6552, 121.4784



91.9680, 87.6552, 200.5180



114.6548, 87.6552, 73.4193

Rectangle

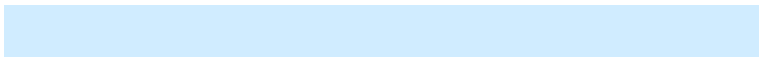
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



75.2200, 87.6552, 35.5089



59.2176, 87.6552, 65.8563



91.9680, 87.6552, 200.5180



113.1930, 87.6552, 132.7773

Sweetspot

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



75.2221, 87.6592, 35.5107



89.5929, 97.7902, 81.3784



51.4515, 39.0730, 27.3855



19.0161, 20.8661, 16.6133



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

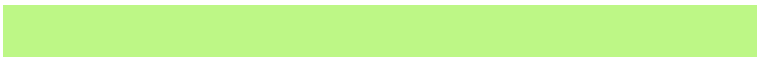
The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.2221, 87.6592, 35.5107



79.1698, 93.5427, 30.0272



58.4585, 79.0172, 34.7262



17.8839, 19.2977, 17.5798



37.0820, 45.2292, 6.7757



3.2683, 3.9799, 0.5959

Inverse Universe

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



35.4700, 29.0020, 91.7294



31.5207, 23.2231, 97.4289



47.1517, 35.0241, 92.2761



15.6084, 15.9408, 20.7968



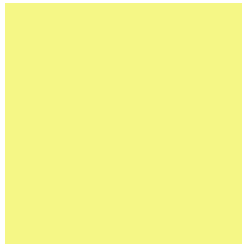
8.9203, 3.5729, 46.7575



0.7934, 0.3189, 4.1100

Previews

White Background



This preview shows how the XYZ color 75.2200, 87.6552, 35.5089 looks on a white background.

Color Contrast Check

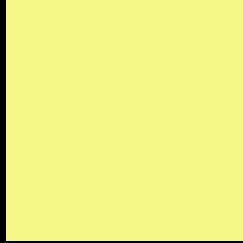
Large Text (above 18pt) WCAG AA × Fail

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 75.2200, 87.6552, 35.5089 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

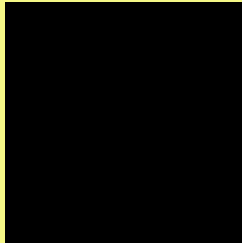
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 75.2200, 87.6552, 35.5089

Background



This preview shows how black text looks on a background with the XYZ color 75.2200, 87.6552, 35.5089.

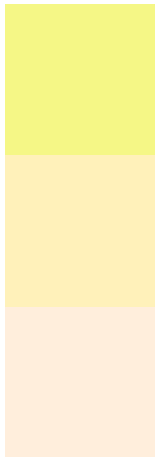


This preview shows how white text looks on a background with the XYZ color 75.2200, 87.6552,

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

75.2200, 87.6552, 35.5089

Protanopia

81.5582, 87.7158, 59.0866

Deuteranopia

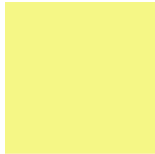
84.7328, 87.5764, 80.1482



Tritanopia

88.2036, 87.5788, 102.6980

Trichromacy



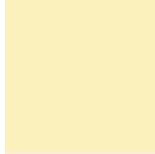
Original Color

75.2200, 87.6552, 35.5089



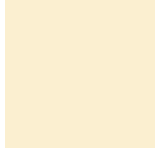
Protanomaly

78.8093, 87.4004, 49.2755



Deuteranomaly

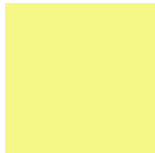
80.4243, 87.0939, 60.7161



Tritanomaly

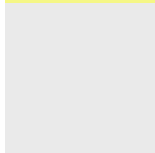
82.0353, 86.7963, 72.1041

Monochromacy



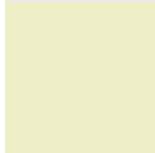
Original Color

75.2200, 87.6552, 35.5089



Achromatopsia

78.2058, 82.2786, 89.6014



Achromatomaly

76.3194, 83.9874, 65.6148

CSS Examples

Text

The CSS property to change the color of the text to XYZ 75.2200, 87.6552, 35.5089 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(245, 247, 134)` looks like.

```
.text, #text, p{  
    color:rgb(245, 247, 134)  
}
```

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(245, 247, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 247, 134) }
```

Border

The CSS property to change the border of an element to XYZ 75.2200, 87.6552, 35.5089 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(245, 247, 134) }
```


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

```
.border{ border-color:rgb(245, 247, 134) }
```

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

Here you see how a box with a 4 pixel rgb(245, 247, 134) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 247, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 247, 134);  
box-shadow:4px 4px 4px 4px rgb(245, 247,  
134) }
```

Background

The CSS property to change the background color of an element to XYZ 75.2200, 87.6552, 35.5089 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 247, 134) }
```

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

```
.background{ background-color: rgb(245,  
247, 134) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor