

Converting Colors

XYZ(74.9202, 91.2014, 36.6320)

Have a look what the booklet for
XYZ(74.9202, 91.2014, 36.6320)
contains.

XYZ(75.0582, 91.2738, 36.5833)	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(75.0582, 91.2738,
36.5833)**

Conversions

Conversions Part 1

Format	Color
Hex	EDFF87
RGB	237, 255, 135
RGB Percent	93%, 100%, 53%
CMY	0.0706, 0.0000, 0.4706
CMYK	0.07, 0.00, 0.47, 0.00
HSL	69°, 100%, 76%
HSV	69°, 47%, 100%
XYZ	75.0582, 91.2738, 36.5833
YIQ	235.9380, 27.7920, -41.1360

Conversions

Conversions Part 2

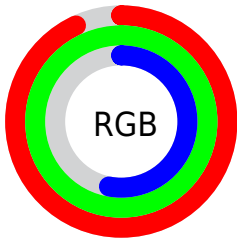
Format	Color
RYB	135, 255, 153
Decimal	15597447
CIELab	96.52, -22.85, 54.97
CIELCh	97, 59.527, 112.577
Yxy	91.2738, 0.3699, 0.4498
Android (android.graphics.Color)	4293787527 (0xFFEDFF87)
YUV	235.9380, -49.7624, 0.9314
Hunter-Lab	95.5373, -26.9531, 44.1727

Details

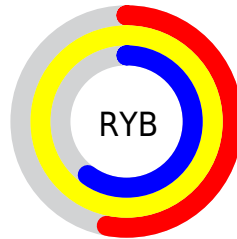
The XYZ color **75.0582, 91.2738, 36.5833** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **39.8520, 31.3216, 98.5530**, and the grayscale version is **80.0345, 84.2026, 91.6966**.

A 20% lighter version of the original color is **86.2943, 96.4977, 62.7929**, and **40.3075, 50.5811, 15.6213** is the 20% darker color. If you saturate the color by 10%, you get **72.2088, 89.9880, 28.1741**, and if you desaturate by 10%, it is **78.3652, 92.7457, 47.2605**.

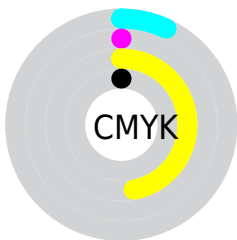
Distribution



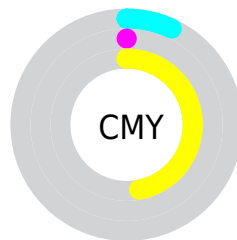
- Red (93%)
- Green (100%)
- Blue (53%)



- Red (53%)
- Yellow (100%)
- Blue (60%)



- Cyan (7%)
- Magenta (0%)
- Yellow (47%)
- Black (0%)





- Cyan (7%)
- Magenta (0%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 75.0582, 91.2738, 36.5833 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 75.0582, 91.2738, 36.5833 by changing the saturation by 10% instead.

 75.0582, 91.2738,
36.5833


 75.0582, 91.2738,
36.5833


467.1117,
532.1658, 346.6171


 55.9549, 69.0376,
24.5918


 125.3822,
149.1065, 71.1106

 40.4036, 50.7423,
15.5569


 157.3336,
185.4718, 94.4834

 28.0390, 36.0036,
9.0602


 194.2985,
227.3156, 122.4871

 18.4957, 24.4370,
4.6831

236.6422,
275.0223, 155.5402

 11.4083, 15.6581,
2.0071

284.7299,
328.9763, 194.0612

 6.4115, 9.2825,
0.5596

338.9272,

 3.1399, 4.9259,

389.5619, 238.4686

0.0000

399.5993,
457.1636, 289.1811

■ 1.2282, 2.2039,
0.0000

■ 0.1284, 0.7221,
0.0000

■ 75.0582, 91.2738,
36.5833

■ 75.0582, 91.2738,
36.5833

■ 72.2088, 89.9880,
28.1741

■ 78.3652, 92.7457,
47.2605

■ 69.7851, 88.8757,
21.8649

■ 82.1575, 94.4149,
60.3500

■ 67.7516, 87.9226,
17.4703

■ 86.4612, 96.2919,
75.9886

■ 66.0667, 87.1119,
14.7713

■ 91.3003, 98.3862,
94.3018

■ 64.6768, 86.4224,
13.4878

95.0500, 100.0000,
108.9000

■ 64.3005, 86.2332,
13.2557

Harmonies

Analogous

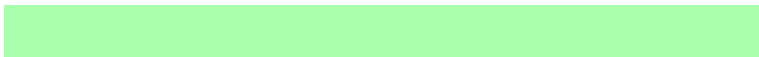
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.9455, 91.2738, 33.4689



75.0582, 91.2738, 36.5833



63.7774, 91.2738, 53.5108

Triad

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



75.0582, 91.2738, 36.5833



68.7535, 91.2738, 191.1751



122.4393, 91.2738, 111.6749

Complementary

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



75.0582, 91.2738, 36.5833



39.8520, 31.3216, 98.5530

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.



114.6739, 91.2738, 165.9841



75.0582, 91.2738, 36.5833



82.6914, 91.2738, 220.4965

Square

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



75.0582, 91.2738, 36.5833



60.4747, 91.2738, 138.8036



99.6036, 91.2738, 210.0442



119.7164, 91.2738, 68.2346

Rectangle

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



75.0582, 91.2738, 36.5833



59.7056, 91.2738, 74.4297



99.6036, 91.2738, 210.0442



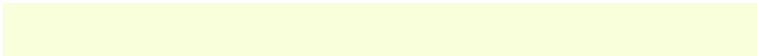
120.9383, 91.2738, 129.3667

Sweetspot

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



75.0584, 91.2738, 36.5845



87.8829, 96.9087, 81.2984



57.0051, 45.7928, 28.7573



18.5947, 20.6488, 16.5936



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

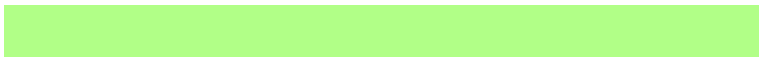
The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.0584, 91.2738, 36.5845



72.4894, 90.1156, 28.9611



58.2654, 82.6167, 35.7986



19.2777, 20.9446, 19.1710



33.6999, 45.1110, 6.9311



3.3507, 4.4281, 0.6781

Inverse Universe

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



39.8520, 31.3216, 98.5530



33.6375, 23.8898, 97.4460



54.1554, 38.6952, 99.2224



17.2566, 17.5085, 22.7199



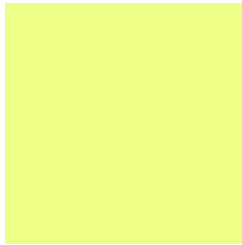
9.9295, 4.0293, 49.6890



1.0380, 0.4290, 4.8414

Previews

White Background



This preview shows how the XYZ color 75.0582, 91.2738, 36.5833 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 75.0582, 91.2738, 36.5833 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

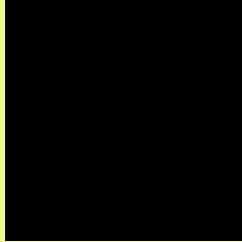
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 75.0582, 91.2738, 36.5833

Background



This preview shows how black text looks on a background with the XYZ color 75.0582, 91.2738, 36.5833.



This preview shows how white text looks on a background with the XYZ color 75.0582, 91.2738,

Color Blindness Simulation

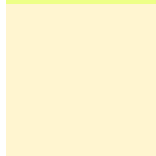
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



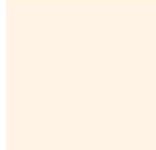
Original Color

75.0582, 91.2738, 36.5833



Protanopia

85.2776, 91.1189, 72.7676



Deuteranopia

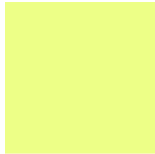
87.5735, 91.0744, 87.8264



Tritanopia

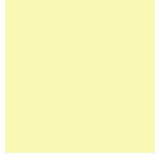
88.8691, 90.8640, 107.4623

Trichromacy



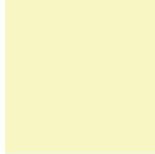
Original Color

75.0582, 91.2738, 36.5833



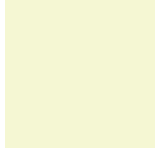
Protanomaly

80.9276, 91.0440, 57.0240



Deuteranomaly

81.8225, 90.4181, 64.7697



Tritanomaly

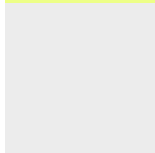
82.6748, 90.6372, 74.7653

Monochromacy



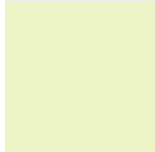
Original Color

75.0582, 91.2738, 36.5833



Achromatopsia

79.7278, 83.8799, 91.3452



Achromatomaly

76.9515, 86.0576, 66.5878

CSS Examples

Text

The CSS property to change the color of the text to XYZ 75.0582, 91.2738, 36.5833 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(237, 255, 135)` looks like.

```
.text, #text, p{  
    color:rgb(237, 255, 135)  
}
```

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(237, 255, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 255, 135) }
```

Border

The CSS property to change the border of an element to XYZ 75.0582, 91.2738, 36.5833 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(237, 255, 135) }
```


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

```
.border{ border-color:rgb(237, 255, 135) }
```

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

Here you see how a box with a 4 pixel rgb(237, 255, 135) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 255, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 255, 135);  
box-shadow:4px 4px 4px 4px rgb(237, 255,  
135) }
```

Background

The CSS property to change the background color of an element to XYZ 75.0582, 91.2738, 36.5833 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 255, 135) }
```

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

```
.background{ background-color: rgb(237,  
255, 135) }
```

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