

Converting Colors

XYZ(72.0632, 85.5505, 36.3817)

Have a look what the booklet for
XYZ(72.0632, 85.5505, 36.3817)
contains.

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Color

**XYZ(72.0632, 85.5505,
36.3817)**

Conversions

Conversions Part 1

Format	Color
Hex	ECF689
RGB	236, 246, 137
RGB Percent	93%, 96%, 54%
CMY	0.0745, 0.0353, 0.4627
CMYK	0.04, 0.00, 0.44, 0.04
HSL	66°, 86%, 75%
HSV	66°, 44%, 96%
XYZ	72.0632, 85.5505, 36.3817
YIQ	230.5840, 29.0290, -36.0190

Conversions

Conversions Part 2

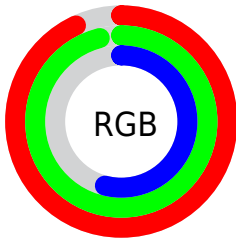
Format	Color
R_{YB}	137, 246, 147
Decimal	15529609
CIE _{Lab}	94.12, -18.73, 51.08
CIE _{LCh}	94, 54.403, 110.135
Yxy	85.5505, 0.3715, 0.4410
Android (android.graphics.Color)	4293719689 (0xFFE6F689)
YUV	230.5840, -46.1369, 4.7498
Hunter-Lab	92.4935, -22.7914, 41.4241

Details

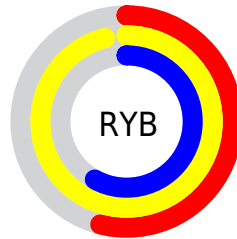
The XYZ color **72.0632, 85.5505, 36.3817** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **37.6159, 30.7503, 91.1466**, and the grayscale version is **75.9651, 79.9212, 87.0342**.

A 20% lighter version of the original color is **86.5144, 96.5858, 63.9523**, and **38.3738, 46.9320, 15.4238** is the 20% darker color. If you saturate the color by 10%, you get **69.7517, 84.5429, 28.0891**, and if you desaturate by 10%, it is **74.7907, 86.7317, 46.7970**.

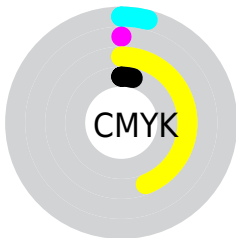
Distribution



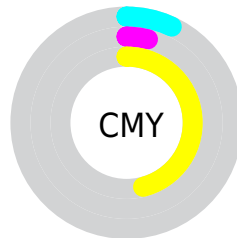
- Red (93%)
- Green (96%)
- Blue (54%)



- Red (54%)
- Yellow (96%)
- Blue (58%)



- Cyan (4%)
- Magenta (0%)
- Yellow (44%)
- Black (4%)





- Cyan (7%)
- Magenta (4%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 72.0632, 85.5505, 36.3817 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 72.0632, 85.5505, 36.3817 by changing the saturation by 10% instead.


 72.0632, 85.5505,
36.3817

 72.0632, 85.5505,
36.3817


456.9158,
513.4479, 345.7136


 53.4960, 64.2963,
24.4371


 121.1567,
141.1421, 70.7965

 38.4279, 46.8907,
15.4430


 152.4137,
176.2482, 94.1037

 26.4937, 32.9493,
8.9808


 188.6312,
216.7405, 122.0356

 17.3279, 22.0876,
4.6320

230.1748,
263.0034, 155.0107

 10.5653, 13.9213,
1.9781

277.4096,
315.4211, 193.4475

 5.8405, 8.0659,
0.5418

330.7012,

 2.7881, 4.1372,

374.3782, 237.7645

0.0000

390.4148,
440.2590, 288.3804

■ 1.0427, 1.7506,
0.0000

■ 0.0000, 0.4561,
0.0000

■ 72.0632, 85.5505,
36.3817

■ 72.0632, 85.5505,
36.3817

■ 69.7517, 84.5429,
28.0891

■ 74.7907, 86.7317,
46.7970

■ 67.8221, 83.6861,
21.7680


■ 77.9531, 88.0850,
59.4619


■ 66.2455, 82.9715,
17.2558


■ 81.5755, 89.6233,
74.4994


■ 64.9854, 82.3846,
14.3617

■ 85.6795, 91.3553,
92.0224


 63.9975, 81.9077,
12.8522


 89.4682, 92.9625,
107.8358

 63.5197, 81.6706,
12.4162

 90.2708, 93.3762,
107.8734

 91.0830, 93.7949,
107.9114

 91.9049, 94.2186,
107.9498

 92.2476, 94.3953,
107.9659

Harmonies

Analogous

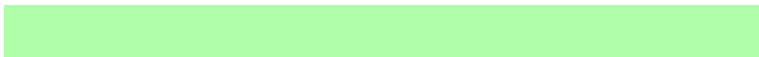
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.1980, 85.5505, 34.4351



72.0632, 85.5505, 36.3817



61.6852, 85.5505, 50.6740

Triad

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



72.0632, 85.5505, 36.3817



64.6761, 85.5505, 169.1204



112.0870, 85.5505, 107.5529

Complementary

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



72.0632, 85.5505, 36.3817



37.6159, 30.7503, 91.1466

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.



104.7172, 85.5505, 154.4795



72.0632, 85.5505, 36.3817



76.6165, 85.5505, 196.4070

Square

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



72.0632, 85.5505, 36.3817



57.7860, 85.5505, 123.5228



91.3227, 85.5505, 190.3695



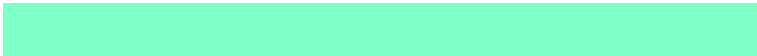
110.4901, 85.5505, 68.2150

Rectangle

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



72.0632, 85.5505, 36.3817



57.7501, 85.5505, 68.5040



91.3227, 85.5505, 190.3695



110.5455, 85.5505, 123.0944

Sweetspot

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



72.0653, 85.5544, 36.3835



89.0540, 97.4733, 83.1225



52.8160, 41.9847, 28.9882



18.8625, 20.7792, 16.9541



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

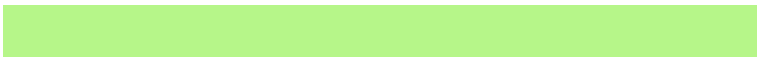
The Same Dimension uses a secret algorithm to generate beautiful new colors.



72.0653, 85.5544, 36.3835



75.9631, 91.8549, 31.4477



56.8642, 77.7180, 35.6721



17.7559, 19.2317, 17.5738



33.9660, 43.6229, 6.6299



3.0283, 3.8562, 0.5847

Inverse Universe

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



37.6159, 30.7503, 91.1466



34.3043, 25.5431, 97.7300



49.5584, 36.9069, 91.7055



15.7222, 15.9994, 20.8021



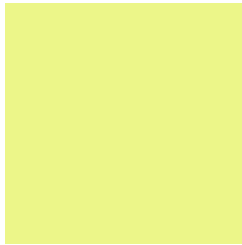
9.1116, 3.6715, 46.7665



0.8478, 0.3469, 4.1125

Previews

White Background



This preview shows how the XYZ color 72.0632, 85.5505, 36.3817 looks on a white background.

Color Contrast Check

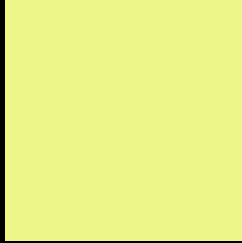
Large Text (above 18pt) WCAG AA × Fail

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 72.0632, 85.5505, 36.3817 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

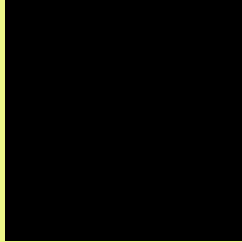
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 72.0632, 85.5505, 36.3817

Background



This preview shows how black text looks on a background with the XYZ color 72.0632, 85.5505, 36.3817.

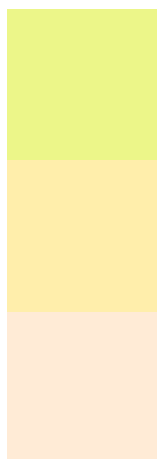


This preview shows how white text looks on a background with the XYZ color 72.0632, 85.5505,

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

72.0632, 85.5505, 36.3817

Protanopia

79.1652, 85.3493, 50.8297

Deuteranopia

83.0859, 85.5317, 75.7485



Tritanopia

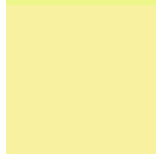
85.6184, 85.3826, 103.2347

Trichromacy



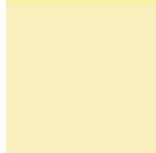
Original Color

72.0632, 85.5505, 36.3817



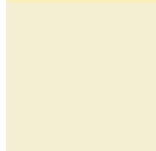
Protanomaly

76.4247, 85.3703, 45.2510



Deuteranomaly

78.4408, 85.2346, 58.7720



Tritanomaly

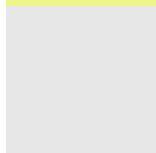
79.5156, 85.0353, 73.1953

Monochromacy



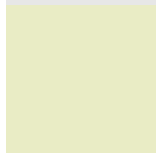
Original Color

72.0632, 85.5505, 36.3817



Achromatopsia

75.9547, 79.9103, 87.0223



Achromatomaly

73.6778, 81.3458, 64.6414

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.0632, 85.5505, 36.3817 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(236, 246, 137)` looks like.

```
.text, #text, p{  
    color:rgb(236, 246, 137)  
}
```

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(236, 246, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 246, 137) }
```

Border

The CSS property to change the border of an element to XYZ 72.0632, 85.5505, 36.3817 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(236, 246, 137) }
```


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

```
.border{ border-color:rgb(236, 246, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 246, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 246, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 246, 137);  
box-shadow:4px 4px 4px 4px rgb(236, 246,  
137) }
```

Background

The CSS property to change the background color of an element to XYZ 72.0632, 85.5505, 36.3817 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 246, 137) }
```

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

```
.background{ background-color: rgb(236,  
246, 137) }
```

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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