

Converting Colors

XYZ(81.6254, 106.4423,
37.4528)

Have a look what the booklet for
XYZ(81.6254, 106.4423, 37.4528)
contains.

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Color

**XYZ(73.7209, 90.6241,
34.7258)**

Conversions

Conversions Part 1

Format	Color
Hex	EAFF82
RGB	234, 255, 130
RGB Percent	92%, 100%, 51%
CMY	0.0824, 0.0000, 0.4902
CMYK	0.08, 0.00, 0.49, 0.00
HSL	70°, 100%, 75%
HSV	70°, 49%, 100%
XYZ	73.7209, 90.6241, 34.7258
YIQ	234.4710, 27.6090, -43.3270

Conversions

Conversions Part 2

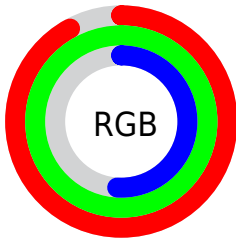
Format	Color
RYB	130, 255, 151
Decimal	15400834
CIELab	96.26, -24.46, 56.90
CIELCh	96, 61.934, 113.264
Yxy	90.6241, 0.3703, 0.4552
Android (android.graphics.Color)	4293590914 (0xFFEAF82)
YUV	234.4710, -51.5042, -0.4131
Hunter-Lab	95.1967, -28.3627, 45.0099

Details

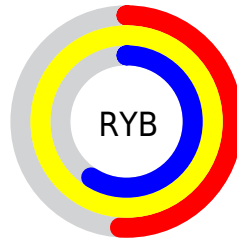
The XYZ color **73.7209, 90.6241, 34.7258** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **38.7963, 29.7659, 98.3083**, and the grayscale version is **78.9268, 83.0372, 90.4275**.

A 20% lighter version of the original color is **85.7570, 96.2828, 59.9635**, and **39.4031, 50.1401, 14.4387** is the 20% darker color. If you saturate the color by 10%, you get **70.8262, 89.3057, 26.7360**, and if you desaturate by 10%, it is **77.0741, 92.1298, 44.9531**.

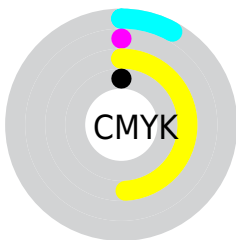
Distribution



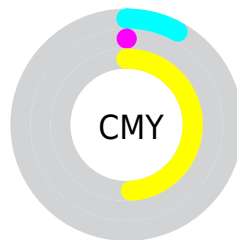
- Red (92%)
- Green (100%)
- Blue (51%)



- Red (51%)
- Yellow (100%)
- Blue (59%)



- Cyan (8%)
- Magenta (0%)
- Yellow (49%)
- Black (0%)





- Cyan (8%)
- Magenta (0%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 73.7209, 90.6241, 34.7258 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 73.7209, 90.6241, 34.7258 by changing the saturation by 10% instead.


 73.7209, 90.6241,
34.7258


 73.7209, 90.6241,
34.7258


462.5747,
530.0589, 338.2238


 54.8561, 68.4984,
23.1699


 123.4977,
148.2050, 68.2075

 39.5199, 50.3033,
14.5125


 155.1404,
184.4290, 90.9704

 27.3470, 35.6545,
8.3352

 191.7732,
226.1211, 118.3060

 17.9719, 24.1674,
4.2193

233.7613,
273.6659, 150.6328

 11.0294, 15.4579,
1.7464

281.4702,
327.4477, 188.3695

 6.1540, 9.1414,
0.3923

335.2651,

 2.9805, 4.8335,

387.8509, 231.9345

0.0000

395.5115,
455.2598, 281.7464

■ 1.1435, 2.1499,
0.0000

■ 0.0610, 0.6925,
0.0000

■ 73.7209, 90.6241,
34.7258

■ 73.7209, 90.6241,
34.7258

■ 70.8262, 89.3057,
26.7360

■ 77.0741, 92.1298,
44.9531

■ 68.3574, 88.1615,
20.8119

■ 80.9141, 93.8343,
57.5652

■ 66.2778, 87.1769,
16.7628

■ 85.2675, 95.7480,
72.7009

■ 64.5442, 86.3346,
14.3612

■ 90.1588, 97.8810,
90.4876

■ 63.0922, 85.6087, 95.0500, 100.0000,
13.2707 108.9000

■ 62.9570, 85.5406,
13.1928

Harmonies

Analogous

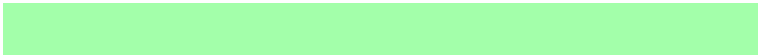
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.0737, 90.6241, 31.3298



73.7209, 90.6241, 34.7258



62.2546, 90.6241, 52.1680

Triad

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



73.7209, 90.6241, 34.7258



67.8278, 90.6241, 195.7205



123.3355, 90.6241, 110.2076

Complementary

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



73.7209, 90.6241, 34.7258



38.7963, 29.7659, 98.3083

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.



115.4545, 90.6241, 166.8697



73.7209, 90.6241, 34.7258



82.3138, 90.6241, 225.8096

Square

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



73.7209, 90.6241, 34.7258



59.1820, 90.6241, 141.0163



99.8710, 90.6241, 213.7902



120.2355, 90.6241, 65.7897

Rectangle

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



73.7209, 90.6241, 34.7258



58.1846, 90.6241, 73.8328



99.8710, 90.6241, 213.7902



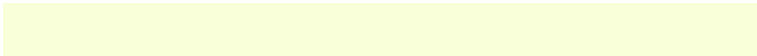
121.8516, 90.6241, 128.5429

Sweetspot

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



73.7211, 90.6242, 34.7270



87.1670, 96.5782, 79.5226



56.3098, 44.9524, 26.8292



18.4417, 20.5775, 16.2435



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

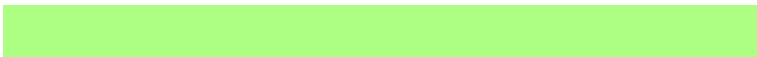
The Same Dimension uses a secret algorithm to generate beautiful new colors.



73.7211, 90.6242, 34.7270



70.8311, 89.3079, 26.7486



56.7302, 81.8651, 33.9319



19.2440, 20.9272, 19.1694



33.0070, 44.7538, 6.8987



3.2896, 4.3966, 0.6753

Inverse Universe

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



38.7963, 29.7659, 98.3083



32.2352, 21.9639, 97.1482



53.5708, 37.3824, 98.9998



17.2873, 17.5243, 22.7213



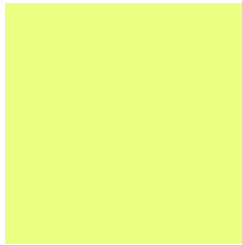
10.0313, 4.0818, 49.6937



1.0525, 0.4365, 4.8421

Previews

White Background



This preview shows how the XYZ color 73.7209, 90.6241, 34.7258 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 73.7209, 90.6241, 34.7258 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 73.7209, 90.6241, 34.7258

Background



This preview shows how black text looks on a background with the XYZ color 73.7209, 90.6241, 34.7258.



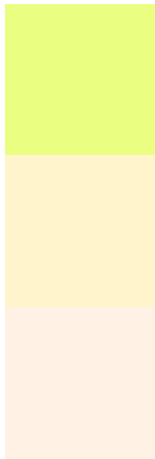
This preview shows how white text looks on a background with the XYZ color 73.7209, 90.6241,

34.7258.

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

73.7209, 90.6241, 34.7258

Protanopia

84.4898, 90.3210, 70.1073

Deuteranopia

86.9957, 90.3657, 86.2559



Tritanopia

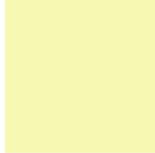
88.1599, 90.4984, 107.4292

Trichromacy



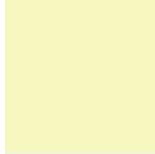
Original Color

73.7209, 90.6241, 34.7258



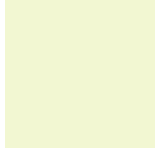
Protanomaly

79.8610, 90.0833, 54.7737



Deuteranomaly

81.1330, 90.1015, 62.9843



Tritanomaly

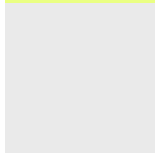
81.5116, 90.0519, 74.0584

Monochromacy



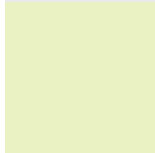
Original Color

73.7209, 90.6241, 34.7258



Achromatopsia

78.2058, 82.2786, 89.6014



Achromatomaly

75.6476, 84.9822, 64.6407

CSS Examples

Text

The CSS property to change the color of the text to XYZ 73.7209, 90.6241, 34.7258 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(234, 255, 130)` looks like.

```
.text, #text, p{  
    color:rgb(234, 255, 130)  
}
```

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(234, 255, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 255, 130) }
```

Border

The CSS property to change the border of an element to XYZ 73.7209, 90.6241, 34.7258 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(234, 255, 130) }
```


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

```
.border{ border-color:rgb(234, 255, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 255, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 255, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 255, 130);  
box-shadow:4px 4px 4px 4px rgb(234, 255,  
130) }
```

Background

The CSS property to change the background color of an element to XYZ 73.7209, 90.6241, 34.7258 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 255, 130) }
```

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

```
.background{ background-color: rgb(234,  
255, 130) }
```

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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