

Converting Colors

XYZ(72.7593, 81.0371, 34.8120)

Have a look what the booklet for
XYZ(72.7593, 81.0371, 34.8120)
contains.

XYZ(72.7929, 81.1224, 34.7433) 3
 ***Conversions* 4**
 ***Details* 6**
 ***Harmonies* 12**
 ***Previews* 24**
 ***Color Blindness Simulation* 28**
 ***CSS Examples* 31**

Color

**XYZ(72.7929, 81.1224,
34.7433)**

Conversions

Conversions Part 1

Format	Color
Hex	F8EB87
RGB	248, 235, 135
RGB Percent	97%, 92%, 53%
CMY	0.0275, 0.0784, 0.4706
CMYK	0.00, 0.05, 0.46, 0.03
HSL	53°, 89%, 75%
HSV	53°, 46%, 97%
XYZ	72.7929, 81.1224, 34.7433
YIQ	227.4870, 39.8480, -28.3440

Conversions

Conversions Part 2

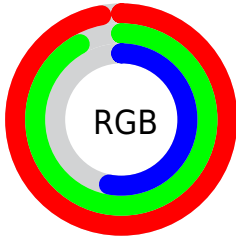
Format	Color
RYB	150, 248, 135
Decimal	16313223
CIELab	92.19, -8.86, 49.86
CIELCh	92, 50.641, 100.075
Yxy	81.1224, 0.3858, 0.4300
Android (android.graphics.Color)	4294503303 (0xFFFF8EB87)
YUV	227.4870, -45.5961, 17.9899
Hunter-Lab	90.0680, -13.3553, 40.1767

Details

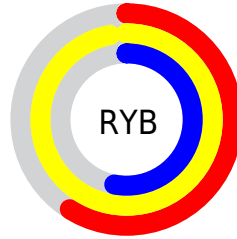
The XYZ color **72.7929, 81.1224, 34.7433** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **37.5247, 33.1070, 93.2192**, and the grayscale version is **73.6718, 77.5084, 84.4067**.

A 20% lighter version of the original color is **86.2943, 96.4977, 62.7929**, and **38.9166, 43.8119, 14.5890** is the 20% darker color. If you saturate the color by 10%, you get **70.4370, 78.8871, 26.3242**, and if you desaturate by 10%, it is **75.5725, 83.5541, 45.3118**.

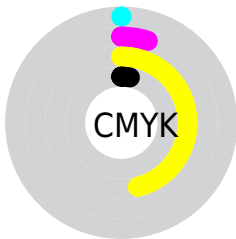
Distribution



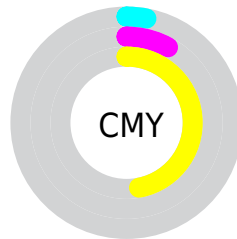
- Red (97%)
- Green (92%)
- Blue (53%)



- Red (59%)
- Yellow (97%)
- Blue (53%)



- Cyan (0%)
- Magenta (5%)
- Yellow (46%)
- Black (3%)





- Cyan (3%)
- Magenta (8%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 72.7929, 81.1224, 34.7433 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 72.7929, 81.1224, 34.7433 by changing the saturation by 10% instead.


 72.7929, 81.1224,
34.7433


 72.7929, 81.1224,
34.7433


459.4116,
498.7074, 338.3036


 54.0944, 60.6424,
23.1832


 122.1879,
134.9426, 68.2350

 38.9081, 43.9366,
14.5223


 153.6151,
169.0516, 91.0036

 26.8687, 30.6207,
8.3419

 190.0159,
208.4725, 118.3456

 17.6107, 20.3102,
4.2236


231.7557,
253.5895, 150.6794

 10.7688, 12.6207,
1.7488

279.1998,
304.7871, 188.4235

 5.9778, 7.1679,
0.3939

332.7136,

 2.8721, 3.5673,

362.4497, 231.9966

0.0000

392.6624,
426.9616, 281.8171

■ 1.0865, 1.4346,
0.0000

■ 0.0138, 0.2420,
0.0000

■ 72.7929, 81.1224,
34.7433

■ 72.7929, 81.1224,
34.7433

■ 70.4370, 78.8871,
26.3242

■ 75.5725, 83.5541,
45.3118

■ 68.4703, 76.8252,
19.8985


■ 78.7959, 86.1814,
58.1611


■ 66.8622, 74.9276,
15.2975


■ 82.4888, 89.0177,
73.4179


■ 65.5749, 73.1790,
12.3221


■ 86.6733, 92.0718,
91.1982


 64.5617, 71.5606,
10.7265

 90.7189, 95.0916,
108.1809

 64.1690, 70.8718,
10.2976

 91.6083, 96.8705,
108.4773

 92.5112, 98.6762,
108.7783

 92.5213, 98.6964,
108.7817

Harmonies

Analogous

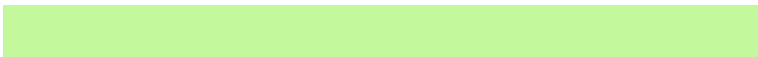
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.9856, 81.1224, 36.4880



72.7929, 81.1224, 34.7433



62.0368, 81.1224, 43.9233

Triad

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



72.7929, 81.1224, 34.7433



59.4358, 81.1224, 143.2105



103.2137, 81.1224, 115.1834

Complementary

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



72.7929, 81.1224, 34.7433



37.5247, 33.1070, 93.2192

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.



94.4333, 81.1224, 155.6062



72.7929, 81.1224, 34.7433



68.8568, 81.1224, 174.6953

Square

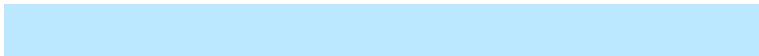
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



72.7929, 81.1224, 34.7433



54.9222, 81.1224, 101.5211



81.5829, 81.1224, 179.7811



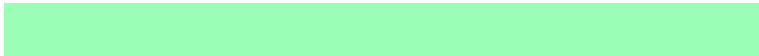
104.5755, 81.1224, 76.3314

Rectangle

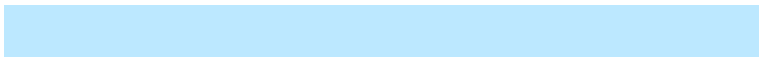
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



72.7929, 81.1224, 34.7433



57.3183, 81.1224, 57.0809



81.5829, 81.1224, 179.7811



100.9886, 81.1224, 129.2975

Sweetspot

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



72.7949, 81.1261, 34.7450



88.5301, 95.3190, 80.9575



52.7357, 39.4292, 32.9253



18.7541, 20.2567, 16.5095



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

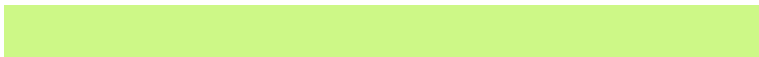
The Same Dimension uses a secret algorithm to generate beautiful new colors.



72.7949, 81.1261, 34.7450



75.1495, 84.1507, 28.4262



63.0305, 81.8182, 35.3932



18.5470, 19.8298, 18.3124



34.7310, 38.4186, 5.5850



3.2636, 3.6520, 0.5329

Inverse Universe

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



37.5247, 33.1070, 93.2192



33.1872, 27.0475, 98.0793



44.0409, 33.6087, 92.9726



16.4437, 16.9643, 21.7931



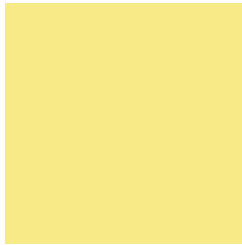
9.4339, 4.2235, 48.2915



0.9241, 0.4918, 4.4894

Previews

White Background



This preview shows how the XYZ color 72.7929, 81.1224, 34.7433 looks on a white background.

Color Contrast Check

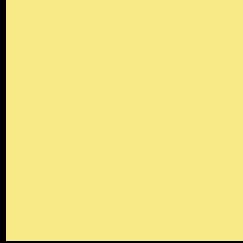
Large Text (above 18pt) WCAG AA × Fail

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 72.7929, 81.1224, 34.7433 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 72.7929, 81.1224, 34.7433

Background



This preview shows how black text looks on a background with the XYZ color 72.7929, 81.1224, 34.7433.



This preview shows how white text looks on a background with the XYZ color 72.7929, 81.1224,

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

72.7929, 81.1224, 34.7433

Protanopia

74.6820, 81.2591, 34.3027

Deuteranopia

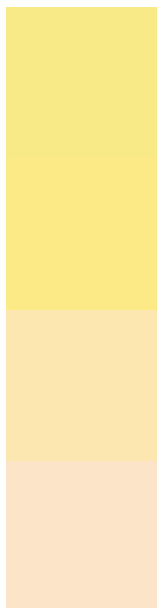
79.2922, 80.8703, 65.4632



Tritanopia

83.4756, 80.8033, 92.8583

Trichromacy



Original Color

72.7929, 81.1224, 34.7433

Protanomaly

73.8708, 81.2623, 34.3460

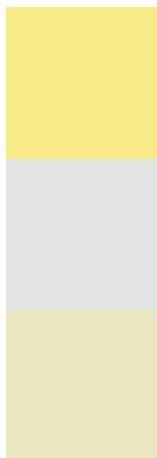
Deuteranomaly

76.5573, 80.9819, 52.6704

Tritanomaly

78.4309, 80.3993, 66.6432

Monochromacy



Original Color

72.7929, 81.1224, 34.7433

Achromatopsia

73.0128, 76.8151, 83.6517

Achromatomaly

72.2954, 78.1508, 62.3132

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.7929, 81.1224, 34.7433 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(248, 235, 135)` looks like.

```
.text, #text, p{  
    color:rgb(248, 235, 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(248, 235, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 235, 135) }
```

Border

The CSS property to change the border of an element to XYZ 72.7929, 81.1224, 34.7433 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(248, 235, 135) }
```


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

```
.border{ border-color:rgb(248, 235, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(248, 235, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 235, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 235, 135);  
box-shadow:4px 4px 4px 4px rgb(248, 235,  
135) }
```

Background

The CSS property to change the background color of an element to XYZ 72.7929, 81.1224, 34.7433 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 235, 135) }
```

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

```
.background{ background-color: rgb(248,  
235, 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