

Converting Colors

XYZ(81.3621, 84.3718, 27.1955)

Have a look what the booklet for
XYZ(81.3621, 84.3718, 27.1955)
contains.

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Color

**XYZ(73.0212, 80.1431,
26.9498)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE870
RGB	255, 232, 112
RGB Percent	100%, 91%, 44%
CMY	0.0000, 0.0902, 0.5608
CMYK	0.00, 0.09, 0.56, 0.00
HSL	50°, 100%, 72%
HSV	50°, 56%, 100%
XYZ	73.0212, 80.1431, 26.9498
YIQ	225.1970, 52.2280, -32.4440

Conversions

Conversions Part 2

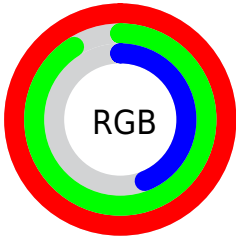
Format	Color
R_{YB}	139, 255, 112
Decimal	16771184
CIE _{Lab}	91.75, -6.50, 60.20
CIE _{LCh}	92, 60.551, 96.160
Yxy	80.1431, 0.4054, 0.4450
Android (android.graphics.Color)	4294961264 (0xFFFFE870)
YUV	225.1970, -55.8061, 26.1372
Hunter-Lab	89.5227, -11.0671, 44.8173

Details

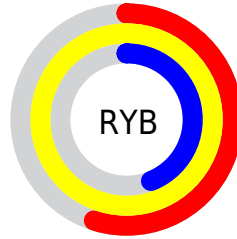
The XYZ color **73.0212, 80.1431, 26.9498** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **33.3958, 27.9918, 98.2499**, and the grayscale version is **72.0742, 75.8277, 82.5764**.

A 20% lighter version of the original color is **83.9751, 95.5700, 50.5801**, and **39.2508, 43.4855, 10.3278** is the 20% darker color. If you saturate the color by 10%, you get **70.6576, 77.3754, 20.1217**, and if you desaturate by 10%, it is **75.8176, 83.1330, 35.9070**.

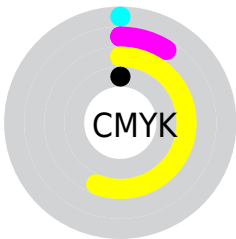
Distribution



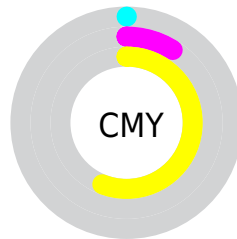
- Red (100%)
- Green (91%)
- Blue (44%)



- Red (55%)
- Yellow (100%)
- Blue (44%)



- Cyan (0%)
- Magenta (9%)
- Yellow (56%)
- Black (0%)



- Cyan (0%)
- Magenta (9%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 73.0212, 80.1431, 26.9498 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 73.0212, 80.1431, 26.9498 by changing the saturation by 10% instead.


 73.0212, 80.1431,
26.9498

 73.0212, 80.1431,
26.9498


460.1909,
495.4150, 301.1665


 54.2817, 59.8361,
17.3034


 122.5103,
133.5669, 55.8061

 39.0585, 43.2866,
10.2868


 153.9906,
167.4525, 75.8530

 26.9862, 30.1100,
5.4815


 190.4486,
206.6331, 100.2039

 17.6994, 19.9221,
2.4688

232.2496,
251.4931, 129.2773

 10.8328, 12.3384,
0.8235

279.7590,
302.4169, 163.4917

 6.0209, 6.9746,
0.0000

333.3421,

 2.8986, 3.4462,

359.7889, 203.2657

0.0000

393.3643,
423.9934, 249.0177

■ 1.1004, 1.3689,
0.0000

■ 0.0254, 0.1936,
0.0000

■ 73.0212, 80.1431,
26.9498

■ 73.0212, 80.1431,
26.9498

■ 70.6576, 77.3754,
20.1217

■ 75.8176, 83.1330,
35.9070

■ 68.6858, 74.8042,
15.2339


■ 79.0720, 86.3465,
47.1509


■ 67.0668, 72.4166,
12.0726

■ 82.8144, 89.7989,
60.8301

■ 65.7496, 70.1920,
10.3703

■ 87.0706, 93.5007,
77.0788

 65.2857, 69.3518,
9.9453

 91.8642, 97.4617,
96.0219

95.0497, 99.9999,
108.9000

Harmonies

Analogous

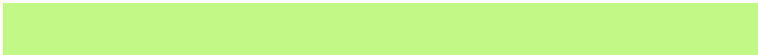
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.8615, 80.1431, 30.1716



73.0212, 80.1431, 26.9498



59.9119, 80.1431, 34.9104

Triad

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



73.0212, 80.1431, 26.9498



54.5622, 80.1431, 147.9114



106.8041, 80.1431, 126.4930

Complementary

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



73.0212, 80.1431, 26.9498



33.3958, 27.9918, 98.2499

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.



95.1400, 80.1431, 175.8717



73.0212, 80.1431, 26.9498



64.7549, 80.1431, 190.8885

Square

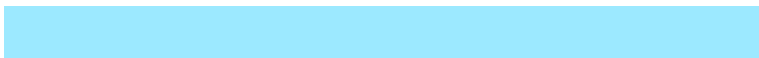
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



73.0212, 80.1431, 26.9498



50.2258, 80.1431, 96.7419



79.4155, 80.1431, 202.5567



109.8007, 80.1431, 78.4229

Rectangle

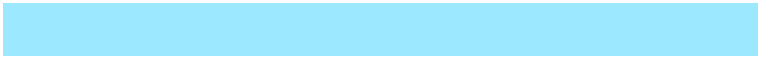
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



73.0212, 80.1431, 26.9498



54.0103, 80.1431, 47.8486



79.4155, 80.1431, 202.5567



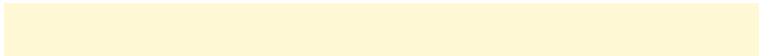
103.6965, 80.1431, 143.9251

Sweetspot

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



73.0231, 80.1469, 26.9514



86.6561, 93.1489, 75.4684



51.4666, 34.6219, 27.2017



18.3580, 19.7751, 15.4198



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

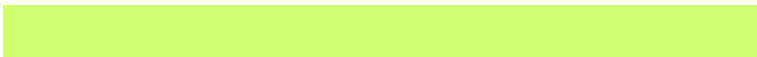
The Same Dimension uses a secret algorithm to generate beautiful new colors.



73.0231, 80.1469, 26.9514



70.4601, 77.1304, 19.5923



64.5102, 86.0030, 28.5305



19.2979, 20.5640, 19.0965



34.2062, 36.4237, 5.2276



3.3941, 3.6736, 0.5302

Inverse Universe

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



33.3958, 27.9918, 98.2499



27.4721, 20.6167, 97.1392



38.2755, 26.2486, 97.6563



17.2389, 17.8493, 22.7866



9.9150, 4.7396, 49.8268



1.0296, 0.5898, 4.8729

Previews

White Background



This preview shows how the XYZ color 73.0212, 80.1431, 26.9498 looks on a white background.

Color Contrast Check

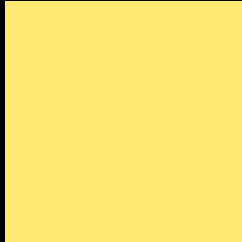
Large Text (above 18pt) WCAG AA × Fail

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 73.0212, 80.1431, 26.9498 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 73.0212, 80.1431, 26.9498

Background



This preview shows how black text looks on a background with the XYZ color 73.0212, 80.1431, 26.9498.



This preview shows how white text looks on a background with the XYZ color 73.0212, 80.1431,

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

73.0212, 80.1431, 26.9498

Protanopia

73.5478, 80.3537, 29.7226

Deuteranopia

78.4467, 80.0932, 62.3639



Tritanopia

82.4790, 79.9759, 88.9317

Trichromacy



Original Color

73.0212, 80.1431, 26.9498

Protanomaly

73.3666, 80.2812, 28.7685



Deuteranomaly

75.9602, 79.9790, 46.5559



Tritanomaly

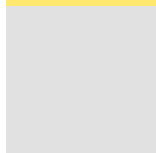
77.7306, 79.3704, 59.9384

Monochromacy



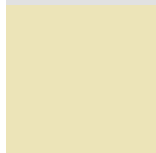
Original Color

73.0212, 80.1431, 26.9498



Achromatopsia

71.5672, 75.2942, 81.9954



Achromatomaly

70.9872, 76.7804, 56.4261

CSS Examples

Text

The CSS property to change the color of the text to XYZ 73.0212, 80.1431, 26.9498 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(255, 232, 112)` looks like.

```
.text, #text, p{  
    color:rgb(255, 232, 112)  
}
```

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(255, 232, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 232, 112) }
```

Border

The CSS property to change the border of an element to XYZ 73.0212, 80.1431, 26.9498 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(255, 232, 112) }
```


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

```
.border{ border-color:rgb(255, 232, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 232, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 232, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 232, 112);  
box-shadow:4px 4px 4px 4px rgb(255, 232,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 73.0212, 80.1431, 26.9498 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 232, 112) }
```

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

```
.background{ background-color: rgb(255,  
232, 112) }
```

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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