

Converting Colors

XYZ(80.6688, 79.7838, 26.5658)

Have a look what the booklet for
XYZ(80.6688, 79.7838, 26.5658)
contains.

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Color

**XYZ(70.0211, 74.1428,
25.9497)**

Conversions

Conversions Part 1

Format	Color
Hex	FFDD70
RGB	255, 221, 112
RGB Percent	100%, 87%, 44%
CMY	0.0000, 0.1333, 0.5608
CMYK	0.00, 0.13, 0.56, 0.00
HSL	46°, 100%, 72%
HSV	46°, 56%, 100%
XYZ	70.0211, 74.1428, 25.9497
YIQ	218.7400, 55.2530, -26.6910

Conversions

Conversions Part 2

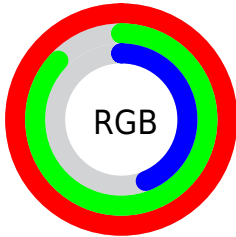
Format	Color
RYB	157, 255, 112
Decimal	16768368
CIELab	88.99, -0.96, 57.02
CIELCh	89, 57.026, 90.969
Yxy	74.1428, 0.4116, 0.4358
Android (android.graphics.Color)	4294958448 (0xFFFFDD70)
YUV	218.7400, -52.6228, 31.8000
Hunter-Lab	86.1062, -5.5307, 42.4062

Details

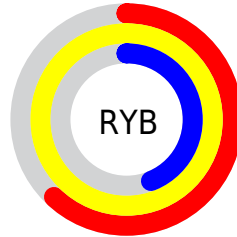
The XYZ color **70.0211, 74.1428, 25.9497** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **35.0106, 31.2214, 98.7884**, and the grayscale version is **67.4797, 70.9939, 77.3124**.

A 20% lighter version of the original color is **83.8829, 95.5332, 50.0950**, and **36.9313, 39.1903, 9.7557** is the 20% darker color. If you saturate the color by 10%, you get **67.2263, 70.5128, 18.9779**, and if you desaturate by 10%, it is **73.2792, 78.0562, 35.0607**.

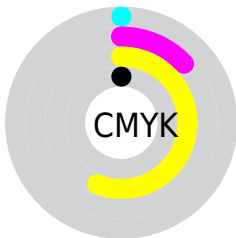
Distribution



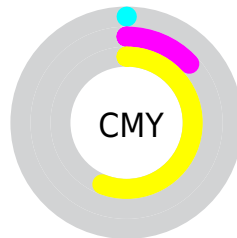
- Red (100%)
- Green (87%)
- Blue (44%)



- Red (62%)
- Yellow (100%)
- Blue (44%)



- Cyan (0%)
- Magenta (13%)
- Yellow (56%)
- Black (0%)



- Cyan (0%)
- Magenta (13%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.0211, 74.1428, 25.9497 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 70.0211, 74.1428, 25.9497 by changing the saturation by 10% instead.

70.0211, 74.1428,
25.9497

70.0211, 74.1428,
25.9497

449.8893,
474.9661, 296.1327

51.8234, 54.9109,
16.5606

118.2649,
125.0982, 54.1769

37.0880, 39.3304,
9.7631

149.0418,
157.5905, 73.8520

25.4496, 27.0169,
5.1386

184.7424,
195.2718, 97.7929

16.5429, 17.5859,
2.2687

225.7322,
238.5264, 126.4181

10.0024, 10.6531,
0.7136

272.3764,
287.7388, 160.1462

5.4628, 5.8341,
0.0000

325.0404,

2.5588, 2.7444,

343.2932, 199.3956

0.0000

384.0896,
405.5742, 244.5849

■ 0.9250, 0.9998,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 70.0211, 74.1428,
25.9497

■ 70.0211, 74.1428,
25.9497

■ 67.2263, 70.5128,
18.9779

■ 73.2792, 78.0562,
35.0607

■ 64.8540, 67.1405,
13.9566

■ 77.0268, 82.2560,
46.4690

■ 62.8645, 64.0119,
10.6718

■ 81.2940, 86.7580,
60.3230

■ 61.2063, 61.1053,
8.8558

■ 86.1070, 91.5736,
76.7574

■ 60.6167, 60.0136,
8.3889

■ 91.4901, 96.7134,
95.8969

95.0498, 99.9999,
108.9000

Harmonies

Analogous

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



84.2054, 74.1428, 30.7072



70.0211, 74.1428, 25.9497



57.6319, 74.1428, 31.3893

Triad

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



70.0211, 74.1428, 25.9497



50.0071, 74.1428, 126.6963



96.4242, 74.1428, 123.7032

Complementary

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



70.0211, 74.1428, 25.9497



35.0106, 31.2214, 98.7884

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.



85.0868, 74.1428, 165.4109



70.0211, 74.1428, 25.9497



58.3168, 74.1428, 167.5004

Square

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



70.0211, 74.1428, 25.9497



47.0491, 74.1428, 82.0256



70.9218, 74.1428, 183.5650



100.6039, 74.1428, 79.4459

Rectangle

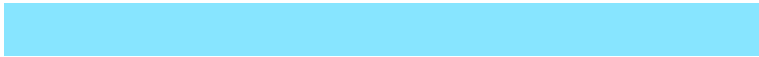
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



70.0211, 74.1428, 25.9497



51.7359, 74.1428, 41.5836



70.9218, 74.1428, 183.5650



93.2565, 74.1428, 138.9380

Sweetspot

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



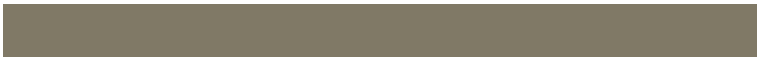
70.0229, 74.1463, 25.9512



85.6397, 91.1162, 75.1296



52.3600, 34.9792, 31.9062



18.1161, 19.2913, 15.3392



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.



70.0229, 74.1463, 25.9512



66.9905, 70.1912, 18.4358



67.9734, 87.7885, 28.6924



19.1738, 20.3157, 19.0551



31.7948, 31.6008, 4.4238



3.1796, 3.2446, 0.4587

Inverse Universe

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



35.0106, 31.2214, 98.7884



29.0234, 23.7193, 97.6563



36.0124, 25.0818, 97.5505



17.3535, 18.0786, 22.8248



10.3877, 5.6849, 49.9844



1.0913, 0.7134, 4.8934

Previews

White Background



This preview shows how the XYZ color 70.0211, 74.1428, 25.9497 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 70.0211, 74.1428, 25.9497 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 70.0211, 74.1428, 25.9497

Background



This preview shows how black text looks on a background with the XYZ color 70.0211, 74.1428, 25.9497.



This preview shows how white text looks on a background with the XYZ color 70.0211, 74.1428,

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

70.0211, 74.1428, 25.9497

Protanopia

67.9941, 74.2777, 26.3761

Deuteranopia

73.5671, 74.3051, 48.4951



Tritanopia

78.4888, 74.2303, 80.7121

Trichromacy



Original Color

70.0211, 74.1428, 25.9497

Protanomaly

68.7927, 74.2916, 26.3367

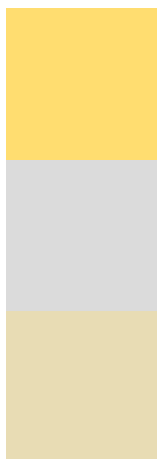
Deuteranomaly

71.9963, 74.0930, 38.9405

Tritanomaly

74.3431, 73.7906, 55.1245

Monochromacy



Original Color

70.0211, 74.1428, 25.9497

Achromatopsia

67.3311, 70.8376, 77.1421

Achromatomaly

67.1101, 71.6375, 53.4704

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.0211, 74.1428, 25.9497 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, 221, 112)` looks like.

```
.text, #text, p{  
    color:rgb(255, 221, 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, 221, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 221, 112) }
```

Border

The CSS property to change the border of an element to XYZ 70.0211, 74.1428, 25.9497 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, 221, 112) }
```


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

```
.border{ border-color:rgb(255, 221, 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, 221, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 221, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 221, 112);  
box-shadow:4px 4px 4px 4px rgb(255, 221,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 70.0211, 74.1428, 25.9497 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 221, 112) }
```

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

```
.background{ background-color: rgb(255,  
221, 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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