

Converting Colors

XYZ(69.7306, 79.2502, 24.7442)

Have a look what the booklet for
XYZ(69.7306, 79.2502, 24.7442)
contains.

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Color

**XYZ(69.9275, 79.4379,
24.7442)**

Conversions

Conversions Part 1

Format	Color
Hex	F6EA68
RGB	246, 234, 104
RGB Percent	96%, 92%, 41%
CMY	0.0353, 0.0823, 0.5921
CMYK	0.00, 0.05, 0.58, 0.04
HSL	55°, 89%, 69%
HSV	55°, 58%, 96%
XYZ	69.9275, 79.4379, 24.7442
YIQ	222.7680, 48.8820, -37.8860

Conversions

Conversions Part 2

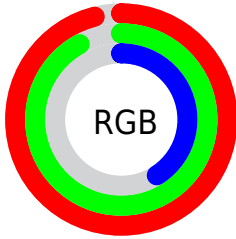
Format	Color
R_{YB}	117, 246, 104
Decimal	16181864
CIE _{Lab}	91.43, -11.69, 63.18
CIE _{LCh}	91, 64.251, 100.484
Yxy	79.4379, 0.4016, 0.4563
Android (android.graphics.Color)	4294371944 (0xFFFF6EA68)
YUV	222.7680, -58.5526, 20.3745
Hunter-Lab	89.1279, -15.9274, 45.9291

Details

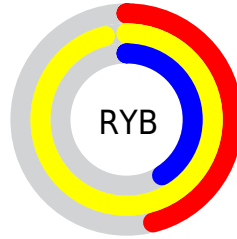
The XYZ color **69.9275, 79.4379, 24.7442** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **28.5888, 22.0871, 89.9447**, and the grayscale version is **70.3545, 74.0184, 80.6061**.

A 20% lighter version of the original color is **83.2580, 95.2832, 46.8042**, and **37.1471, 43.0184, 9.1418** is the 20% darker color. If you saturate the color by 10%, you get **68.2684, 77.8363, 18.9002**, and if you desaturate by 10%, it is **71.9617, 81.2066, 32.5127**.

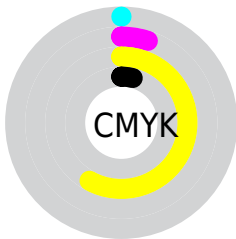
Distribution



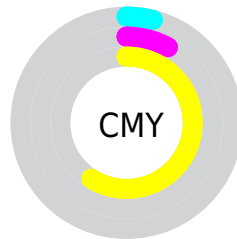
- Red (96%)
- Green (92%)
- Blue (41%)



- Red (46%)
- Yellow (96%)
- Blue (41%)



- Cyan (0%)
- Magenta (5%)
- Yellow (58%)
- Black (4%)




- Cyan (4%)
- Magenta (8%)
- Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 69.9275, 79.4379, 24.7442 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 69.9275, 79.4379, 24.7442 by changing the saturation by 10% instead.


 69.9275, 79.4379,
24.7442

 69.9275, 79.4379,
24.7442


449.5658,
493.0365, 289.9684


 51.7468, 59.2559,
15.6693


 118.1322,
132.5752, 52.2009


 37.0268, 42.8192,
9.1386


 148.8869,
166.2992, 71.4198

 25.4020, 29.7433,
4.7337

 184.5637,
205.3061, 94.8571

 16.5071, 19.6438,
2.0359

 225.5279,
249.9802, 122.9313

 9.9768, 12.1364,
0.5772

272.1448,
300.7059, 156.0610

 5.4457, 6.8366,
0.0000

324.7799,

 2.5485, 3.3601,

357.8676, 194.6647

0.0000

383.7984,
421.8496, 239.1610

■ 0.9198, 1.3225,
0.0000

■ 0.0000, 0.1585,
0.0000

■ 69.9275, 79.4379,
24.7442

■ 69.9275, 79.4379,
24.7442

■ 68.2684, 77.8363,
18.9002

■ 71.9617, 81.2066,
32.5127

■ 66.9461, 76.3775,
14.8037

■ 74.3941, 83.1428,
42.3525


■ 65.9239, 75.0497,
12.2535


■ 77.2527, 85.2605,
54.4015


■ 65.1502, 73.8323,
10.9782


■ 80.5610, 87.5694,
68.7846


 64.9912, 73.5635,
10.7738

 84.3411, 90.0783,
85.6172

 88.6135, 92.7953,
105.0072

 89.7927, 94.2865,
108.0743

 90.4369, 95.5749,
108.2890

 91.0883, 96.8777,
108.5061

Harmonies

Analogous

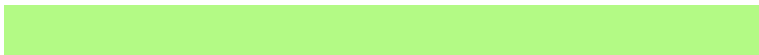
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.4966, 79.4379, 26.3712



69.9275, 79.4379, 24.7442



56.8816, 79.4379, 34.5083

Triad

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



69.9275, 79.4379, 24.7442



54.0333, 79.4379, 159.0805



109.1693, 79.4379, 120.1818

Complementary

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



69.9275, 79.4379, 24.7442



28.5888, 22.0871, 89.9447

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.



97.8014, 79.4379, 174.6034



69.9275, 79.4379, 24.7442



65.4834, 79.4379, 202.0931

Square

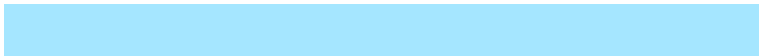
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



69.9275, 79.4379, 24.7442



48.6241, 79.4379, 103.9288



81.3680, 79.4379, 208.6210



110.8152, 79.4379, 71.1276

Rectangle

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



69.9275, 79.4379, 24.7442



51.3230, 79.4379, 49.2970



81.3680, 79.4379, 208.6210



106.2884, 79.4379, 138.8478

Sweetspot

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



69.9294, 79.4416, 24.7458



87.6826, 95.2020, 75.8106



46.2386, 30.8070, 20.7123



18.6029, 20.2649, 15.5014



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.



69.9294, 79.4416, 24.7458



73.8542, 84.2275, 19.7717



56.4907, 77.7553, 25.1286



17.7880, 19.0600, 17.5390



34.7412, 39.3680, 5.7677



3.0880, 3.5293, 0.5185

Inverse Universe

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



28.5888, 22.0871, 89.9447



25.2734, 16.8739, 96.5327



36.2432, 24.1117, 89.9321



15.6936, 16.1516, 20.8330



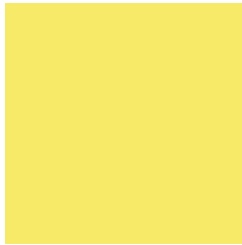
9.0601, 3.9140, 46.8160



0.8341, 0.4197, 4.1273

Previews

White Background



This preview shows how the XYZ color 69.9275, 79.4379, 24.7442 looks on a white background.

Color Contrast Check

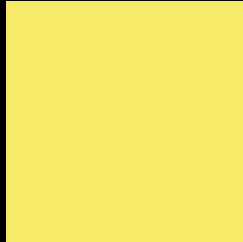
Large Text (above 18pt) WCAG AA × Fail

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 69.9275, 79.4379, 24.7442 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

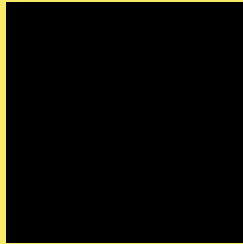
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 69.9275, 79.4379, 24.7442

Background



This preview shows how black text looks on a background with the XYZ color 69.9275, 79.4379, 24.7442.



This preview shows how white text looks on a background with the XYZ color 69.9275, 79.4379,

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

69.9275, 79.4379, 24.7442

Protanopia

72.6304, 79.5376, 26.2761

Deuteranopia

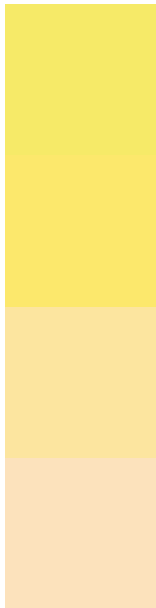
77.7306, 79.3704, 59.9384



Tritanopia

82.2368, 79.0290, 90.2767

Trichromacy



Original Color

69.9275, 79.4379, 24.7442

Protanomaly

71.7083, 79.4914, 25.7513

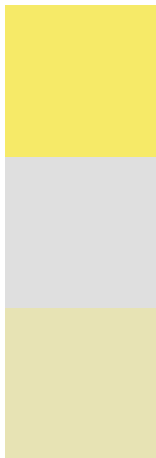
Deuteranomaly

74.4222, 79.2373, 44.1727

Tritanomaly

76.4183, 78.7190, 58.7436

Monochromacy



Original Color

69.9275, 79.4379, 24.7442

Achromatopsia

70.1384, 73.7910, 80.3584

Achromatomaly

68.6623, 75.2224, 54.0805

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.9275, 79.4379, 24.7442 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(246, 234, 104)` looks like.

```
.text, #text, p{  
    color:rgb(246, 234, 104)  
}
```

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(246, 234, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 234, 104) }
```

Border

The CSS property to change the border of an element to XYZ 69.9275, 79.4379, 24.7442 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(246, 234, 104) }
```


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

```
.border{ border-color:rgb(246, 234, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(246, 234, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 234, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 234, 104);  
box-shadow:4px 4px 4px 4px rgb(246, 234,  
104) }
```

Background

The CSS property to change the background color of an element to XYZ 69.9275, 79.4379, 24.7442 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 234, 104) }
```

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

```
.background{ background-color: rgb(246,  
234, 104) }
```

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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