

Converting Colors

XYZ(96.4997, 88.3017, 24.2141)

Have a look what the booklet for
XYZ(96.4997, 88.3017, 24.2141)
contains.

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Color

**XYZ(69.7102, 74.4421,
23.0066)**

Conversions

Conversions Part 1

Format	Color
Hex	FFDE65
RGB	255, 222, 101
RGB Percent	100%, 87%, 40%
CMY	0.0000, 0.1294, 0.6039
CMYK	0.00, 0.13, 0.60, 0.00
HSL	47°, 100%, 70%
HSV	47°, 60%, 100%
XYZ	69.7102, 74.4421, 23.0066
YIQ	218.0730, 58.5090, -30.6350

Conversions

Conversions Part 2

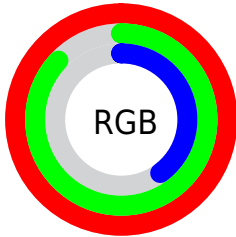
Format	Color
R _Y B	143, 255, 101
Decimal	16768613
CIE Lab	89.13, -2.24, 62.14
CIE LCh	89, 62.178, 92.066
Yxy	74.4421, 0.4170, 0.4453
Android (android.graphics.Color)	4294958693 (0xFFFFDE65)
YUV	218.0730, -57.7170, 32.3850
Hunter-Lab	86.2798, -6.7698, 44.5862

Details

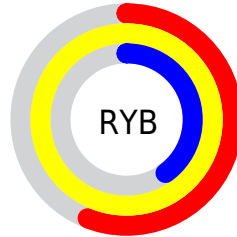
The XYZ color **69.7102, 74.4421, 23.0066** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **31.9417, 27.0360, 98.1421**, and the grayscale version is **67.0500, 70.5418, 76.8201**.

A 20% lighter version of the original color is **83.0008, 95.1803, 45.4495**, and **36.8175, 39.4368, 8.2563** is the 20% darker color. If you saturate the color by 10%, you get **67.2224, 71.1655, 16.9407**, and if you desaturate by 10%, it is **72.6360, 77.9748, 31.1318**.

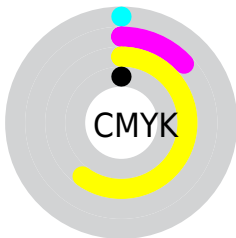
Distribution



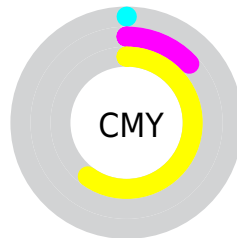
- Red (100%)
- Green (87%)
- Blue (40%)



- Red (56%)
- Yellow (100%)
- Blue (40%)



- Cyan (0%)
- Magenta (13%)
- Yellow (60%)
- Black (0%)




- Cyan (0%)
- Magenta (13%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 69.7102, 74.4421, 23.0066 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 69.7102, 74.4421, 23.0066 by changing the saturation by 10% instead.


 69.7102, 74.4421,
23.0066

 69.7102, 74.4421,
23.0066


448.8141,
475.9978, 280.8819

 51.5691, 55.1560,
14.3930


 117.8239,
125.5223, 49.3275


 36.8846, 39.5266,
8.2527


 148.5272,
158.0852, 67.8719

 25.2914, 27.1696,
4.1670

 184.1486,
195.8424, 90.5637

 16.4242, 17.7007,
1.7174

 225.0534,
239.1784, 117.8214

 9.9176, 10.7353,
0.3726

271.6070,
288.4775, 150.0635

 5.4062, 5.8891,
0.0000

324.1747,

 2.5247, 2.7778,

344.1242, 187.7086

0.0000

383.1220,
406.5028, 231.1752

■ 0.9077, 1.0168,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 69.7102, 74.4421,
23.0066

■ 69.7102, 74.4421,
23.0066

■ 67.2224, 71.1655,
16.9407

■ 72.6360, 77.9748,
31.1318

■ 65.1298, 68.1186,
12.7335


■ 76.0275, 81.7669,
41.4828

■ 63.3891, 65.2864,
10.1525

■ 79.9159, 85.8344,
54.2142

■ 61.9792, 62.7388,
8.8431

■ 84.3281, 90.1887,
69.4656

 89.2889, 94.8403,
87.3657

94.8214, 99.7993,
108.0342

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.



85.2948, 74.4421, 27.4382



69.7102, 74.4421, 23.0066



56.3914, 74.4421, 28.9248

Triad

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



69.7102, 74.4421, 23.0066



48.8317, 74.4421, 133.8927



99.7324, 74.4421, 126.7457

Complementary

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



69.7102, 74.4421, 23.0066



31.9417, 27.0360, 98.1421

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.



87.3713, 74.4421, 174.2823



69.7102, 74.4421, 23.0066



57.9692, 74.4421, 179.3399

Square

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



69.7102, 74.4421, 23.0066



45.4572, 74.4421, 84.0992



71.8102, 74.4421, 196.2556



104.0352, 74.4421, 78.0848

Rectangle

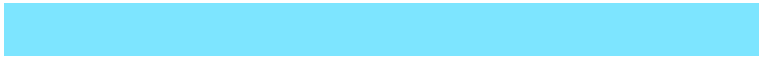
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



69.7102, 74.4421, 23.0066



50.1795, 74.4421, 39.8297



71.8102, 74.4421, 196.2556



96.3026, 74.4421, 143.9073

Sweetspot

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



69.7119, 74.4456, 23.0081



85.4637, 91.2738, 73.4997



50.2227, 32.2995, 26.2770



17.9979, 19.2543, 14.6853



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.



69.7119, 74.4456, 23.0081



66.8603, 70.6603, 16.1436



65.0782, 86.3624, 25.5525



19.2115, 20.3912, 19.0677



32.4992, 33.0097, 4.6586



3.2427, 3.3707, 0.4797

Inverse Universe

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



31.9417, 27.0360, 98.1421



26.3336, 19.8859, 97.0582



34.3169, 22.5147, 97.1442



17.3184, 18.0084, 22.8131



10.2236, 5.3567, 49.9297



1.0708, 0.6723, 4.8866

Previews

White Background



This preview shows how the XYZ color 69.7102, 74.4421, 23.0066 looks on a white background.

Color Contrast Check

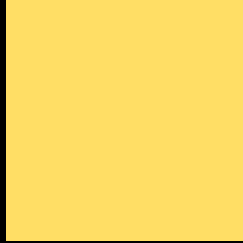
Large Text (above 18pt) WCAG AA × Fail

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 69.7102, 74.4421, 23.0066 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 69.7102, 74.4421, 23.0066

Background



This preview shows how black text looks on a background with the XYZ color 69.7102, 74.4421, 23.0066.



This preview shows how white text looks on a background with the XYZ color 69.7102, 74.4421,

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

69.7102, 74.4421, 23.0066

Protanopia

68.1208, 74.4104, 23.3427

Deuteranopia

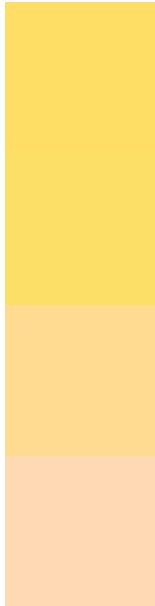
73.5671, 74.3051, 48.4951



Tritanopia

78.6249, 74.2847, 81.4286

Trichromacy



Original Color

69.7102, 74.4421, 23.0066

Protanomaly

68.5696, 74.2439, 23.2869

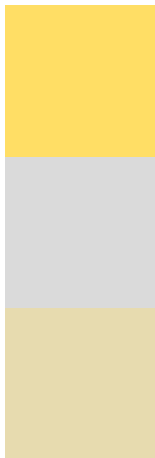
Deuteranomaly

71.6824, 73.9674, 37.2871

Tritanomaly

74.0341, 73.6670, 53.4972

Monochromacy



Original Color

69.7102, 74.4421, 23.0066

Achromatopsia

66.6397, 70.1102, 76.3500

Achromatomaly

66.0244, 70.7471, 50.7331

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.7102, 74.4421, 23.0066 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, 222, 101)` looks like.

```
.text, #text, p{  
    color:rgb(255, 222, 101)  
}
```

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, 222, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 222, 101) }
```

Border

The CSS property to change the border of an element to XYZ 69.7102, 74.4421, 23.0066 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, 222, 101) }
```


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

```
.border{ border-color:rgb(255, 222, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 222, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 222, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 222, 101);  
box-shadow:4px 4px 4px 4px rgb(255, 222,  
101) }
```

Background

The CSS property to change the background color of an element to XYZ 69.7102, 74.4421, 23.0066 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 222, 101) }
```

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

```
.background{ background-color: rgb(255,  
222, 101) }
```

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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