

Converting Colors

XYZ(70.0561, 76.3223, 19.4577)

Have a look what the booklet for
XYZ(70.0561, 76.3223, 19.4577)
contains.

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Color

**XYZ(70.0366, 76.2928,
19.4222)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE254
RGB	255, 226, 84
RGB Percent	100%, 89%, 33%
CMY	0.0000, 0.1137, 0.6706
CMYK	0.00, 0.11, 0.67, 0.00
HSL	50°, 100%, 66%
HSV	50°, 67%, 100%
XYZ	70.0366, 76.2928, 19.4222
YIQ	218.4830, 62.8660, -38.0140

Conversions

Conversions Part 2

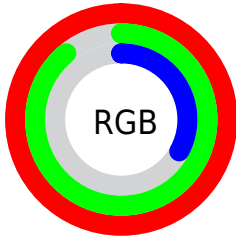
Format	Color
R _Y B	119, 255, 84
Decimal	16769620
CIE Lab	90.00, -5.26, 70.17
CIE LCh	90, 70.363, 94.290
Yxy	76.2928, 0.4225, 0.4603
Android (android.graphics.Color)	4294959700 (0xFFFFE254)
YUV	218.4830, -66.3001, 32.0254
Hunter-Lab	87.3457, -9.7281, 47.9583

Details

The XYZ color **70.0366, 76.2928, 19.4222** is a light color, and the websafe version is hex **FFCC33**. The color can be described as light muted yellow. A complement of this color would be **27.6113, 20.9146, 97.1888**, and the grayscale version is **67.3896, 70.8991, 77.2091**.

A 20% lighter version of the original color is **81.7336, 94.6734, 38.7769**, and **37.1778, 40.7716, 6.4825** is the 20% darker color. If you saturate the color by 10%, you get **68.0536, 73.6449, 14.6987**, and if you desaturate by 10%, it is **72.4162, 79.1526, 26.0721**.

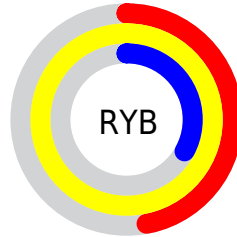
Distribution



Red (100%)

Green (89%)

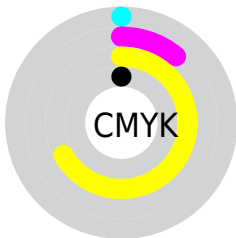
Blue (33%)



Red (47%)

Yellow (100%)

Blue (33%)

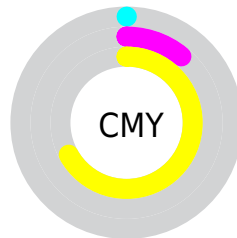


Cyan (0%)

Magenta (11%)

Yellow (67%)

Black (0%)



Cyan (0%)

Magenta (11%)

Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.0366, 76.2928, 19.4222 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 70.0366, 76.2928, 19.4222 by changing the saturation by 10% instead.

70.0366, 76.2928,
19.4222

70.0366, 76.2928,
19.4222

449.9429,
482.3494, 261.2697

51.8361, 56.6726,
11.7959

118.2869,
128.1407, 43.2925

37.0982, 40.7425,
6.4840

149.0675,
161.1372, 60.3735

25.4575, 28.1179,
3.0680

184.7720,
199.3614, 81.4431

16.5488, 18.4146,
1.1295

225.7660,
243.1974, 106.9199

10.0066, 11.2480,
0.0000

272.4147,
293.0299, 137.2224

5.4657, 6.2339,
0.0000

325.0835,

2.5605, 2.9878,

349.2431, 172.7692

0.0000

384.1378,
412.2215, 213.9788

■ 0.9259, 1.1254,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 70.0366, 76.2928,
19.4222

■ 70.0366, 76.2928,
19.4222

■ 68.0536, 73.6449,
14.6987

■ 72.4162, 79.1526,
26.0721

■ 66.4200, 71.1810,
11.6778

■ 75.2226, 82.2279,
34.8303

■ 65.0842, 68.8829,
10.0809

■ 78.4891, 85.5355,
45.8627

■ 64.7242, 68.2287,
9.7581

■ 82.2439, 89.0868,
59.3176

■ 86.5131, 92.8926,
75.3304

■ 91.3206, 96.9628,
94.0266

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.



88.0412, 76.2928, 23.1402



70.0366, 76.2928, 19.4222



55.2291, 76.2928, 26.3386

Triad

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



70.0366, 76.2928, 19.4222



48.2061, 76.2928, 149.7012



107.0834, 76.2928, 132.0355

Complementary

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



70.0366, 76.2928, 19.4222



27.6113, 20.9146, 97.1888

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.



93.0745, 76.2928, 190.2373



70.0366, 76.2928, 19.4222



58.9290, 76.2928, 202.9820

Square

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



70.0366, 76.2928, 19.4222



43.9726, 76.2928, 90.4561



75.0492, 76.2928, 220.1921



111.3176, 76.2928, 76.0971

Rectangle

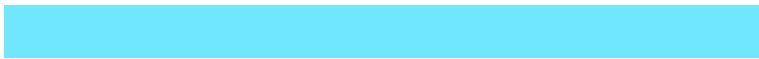
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



70.0366, 76.2928, 19.4222



48.5699, 76.2928, 38.7077



75.0492, 76.2928, 220.1921



103.2622, 76.2928, 152.6048

Sweetspot

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



70.0384, 76.2964, 19.4237



85.2023, 91.7460, 70.3449



47.5254, 28.8472, 19.3898



17.9779, 19.4075, 14.0833



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.



70.0384, 76.2964, 19.4237



67.5388, 72.9016, 13.6437



61.4076, 84.5566, 21.4730



19.2837, 20.5356, 19.0917



33.9165, 35.8443, 5.1310



3.3685, 3.6225, 0.5217

Inverse Universe

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



27.6113, 20.9146, 97.1888



22.7103, 14.5139, 96.2122



31.7271, 18.9777, 96.5980



17.2519, 17.8753, 22.7910



9.9596, 4.8288, 49.8417



1.0358, 0.6023, 4.8749

Previews

White Background



This preview shows how the XYZ color 70.0366, 76.2928, 19.4222 looks on a white background.

Color Contrast Check

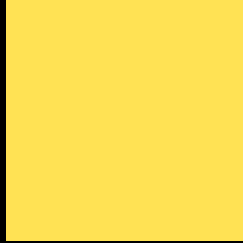
Large Text (above 18pt) WCAG AA × Fail

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 70.0366, 76.2928, 19.4222 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 70.0366, 76.2928, 19.4222

Background



This preview shows how black text looks on a background with the XYZ color 70.0366, 76.2928, 19.4222.



This preview shows how white text looks on a background with the XYZ color 70.0366, 76.2928,

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

70.0366, 76.2928, 19.4222

Protanopia

69.5773, 76.4609, 19.4788

Deuteranopia

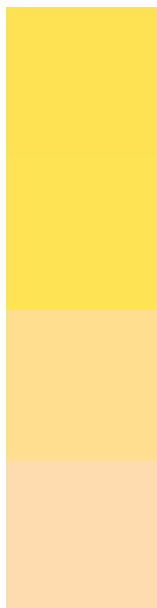
74.9329, 76.1075, 51.8151



Tritanopia

79.7995, 75.9732, 83.8572

Trichromacy



Original Color

70.0366, 76.2928, 19.4222

Protanomaly

69.9424, 76.6491, 19.4959

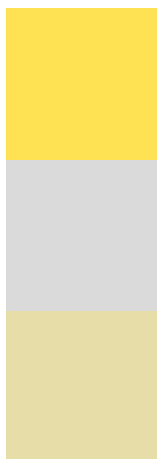
Deuteranomaly

72.5856, 76.0185, 36.8340

Tritanomaly

74.6697, 75.5810, 51.7274

Monochromacy



Original Color

70.0366, 76.2928, 19.4222

Achromatopsia

66.6397, 70.1102, 76.3500

Achromatomaly

65.9729, 71.5664, 47.8727

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.0366, 76.2928, 19.4222 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, 226, 84)` looks like.

```
.text, #text, p{  
    color:rgb(255, 226, 84)  
}
```

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, 226, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 226, 84) }
```

Border

The CSS property to change the border of an element to XYZ 70.0366, 76.2928, 19.4222 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, 226, 84) }
```


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

```
.border{ border-color:rgb(255, 226, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 226, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 226, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 226, 84);  
box-shadow:4px 4px 4px 4px rgb(255, 226,  
84) }
```

Background

The CSS property to change the background color of an element to XYZ 70.0366, 76.2928, 19.4222 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 226, 84) }
```

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

```
.background{ background-color: rgb(255,  
226, 84) }
```

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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