

Converting Colors

XYZ(70.7220, 78.7343, 16.3495)

Have a look what the booklet for
XYZ(70.7220, 78.7343, 16.3495)
contains.

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Color

**XYZ(70.7413, 78.7820,
16.3285)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE740
RGB	255, 231, 64
RGB Percent	100%, 91%, 25%
CMY	0.0000, 0.0941, 0.7490
CMYK	0.00, 0.09, 0.75, 0.00
HSL	52°, 100%, 63%
HSV	52°, 75%, 100%
XYZ	70.7413, 78.7820, 16.3285
YIQ	219.1380, 67.9110, -46.8490

Conversions

Conversions Part 2

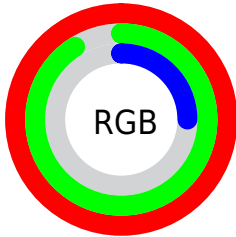
Format	Color
R_{YB}	91, 255, 64
Decimal	16770880
CIE Lab	91.14, -8.67, 78.46
CIE LCh	91, 78.937, 96.305
Yxy	78.7820, 0.4265, 0.4750
Android (android.graphics.Color)	4294960960 (0xFFFFE740)
YUV	219.1380, -76.4830, 31.4510
Hunter-Lab	88.7592, -13.0637, 51.2242

Details

The XYZ color **70.7413, 78.7820, 16.3285** is a light color, and the websafe version is hex **FFFF66**. The color can be described as light washed yellow. A complement of this color would be **23.6543, 15.2894, 96.3114**, and the grayscale version is **67.9113, 71.4479, 77.8068**.

A 20% lighter version of the original color is **80.5752, 94.2101, 32.6765**, and **37.7735, 42.5200, 6.2163** is the 20% darker color. If you saturate the color by 10%, you get **69.2872, 76.7819, 13.0454**, and if you desaturate by 10%, it is **72.5469, 80.9550, 21.3653**.

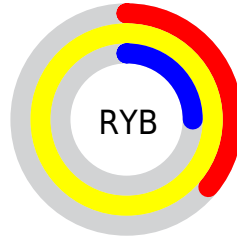
Distribution



Red (100%)

Green (91%)

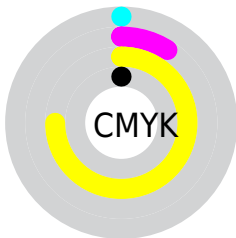
Blue (25%)



Red (36%)

Yellow (100%)

Blue (25%)

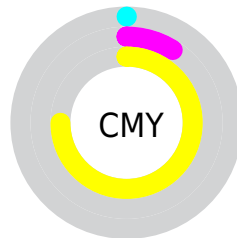


Cyan (0%)

Magenta (9%)

Yellow (75%)

Black (0%)



Cyan (0%)

Magenta (9%)

Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.7413, 78.7820, 16.3285 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 70.7413, 78.7820, 16.3285 by changing the saturation by 10% instead.

70.7413, 78.7820,
16.3285

70.7413, 78.7820,
16.3285

452.3745,
490.8185, 243.1839

52.4129, 58.7166,
9.6000

119.2858,
131.6519, 37.9423

37.5599, 42.3850,
5.0325

150.2326,
165.2252, 53.6646

25.8169, 29.4029,
2.2073

186.1163,
204.0699, 73.2221

16.8187, 19.3858,
0.6785

227.3021,
248.5704, 97.0331

10.1998, 11.9494,
0.0000

274.1555,
299.1112, 125.5163

5.5949, 6.7092,
0.0000

327.0418,

2.6387, 3.2809,

356.0765, 159.0901

0.0000

386.3263,
419.8508, 198.1731

■ 0.9657, 1.2801,
0.0000

■ 0.0000, 0.1257,
0.0000

■ 70.7413, 78.7820,
16.3285

■ 70.7413, 78.7820,
16.3285

■ 69.2872, 76.7819,
13.0454

■ 72.5469, 80.9550,
21.3653

■ 68.1296, 74.9235,
11.2519

■ 74.7386, 83.3058,
28.3621

■ 67.6184, 74.0173,
10.7229

■ 77.3527, 85.8521,
37.5013

■ 80.4197, 88.6063,
48.9435

■ 83.9673, 91.5795,
62.8338

■ 88.0209, 94.7819,
79.3053

■ 92.6039, 98.2233,
98.4816

■ 95.0497, 99.9998,
108.9000

Harmonies

Analogous

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



91.3953, 78.7820, 19.3448



70.7413, 78.7820, 16.3285



54.3677, 78.7820, 24.1736

Triad

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



70.7413, 78.7820, 16.3285



48.0022, 78.7820, 168.7581



115.8329, 78.7820, 137.9975

Complementary

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



70.7413, 78.7820, 16.3285



23.6543, 15.2894, 96.3114

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.



99.9943, 78.7820, 208.4272



70.7413, 78.7820, 16.3285



60.4846, 78.7820, 231.0276

Square

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



70.7413, 78.7820, 16.3285



42.8306, 78.7820, 98.4340



79.1769, 78.7820, 248.0889



119.8985, 78.7820, 74.2602

Rectangle

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



70.7413, 78.7820, 16.3285



47.2600, 78.7820, 38.0921



79.1769, 78.7820, 248.0889



111.5872, 78.7820, 162.3953

Sweetspot

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



70.7431, 78.7857, 16.3301



85.0901, 92.4847, 67.3386



44.8965, 25.6566, 12.1414



17.9879, 19.6143, 13.5101



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.



70.7431, 78.7857, 16.3301



68.6637, 75.8179, 11.9636



56.6853, 82.2000, 17.7300



19.3551, 20.6783, 19.1155



35.4088, 38.8289, 5.6285



3.4998, 3.8850, 0.5654

Inverse Universe

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



23.6543, 15.2894, 96.3114



19.7979, 10.1022, 95.5142



29.7211, 15.9589, 96.1209



17.1868, 17.7453, 22.7693



9.7587, 4.4269, 49.7747



1.0052, 0.5412, 4.8647

Previews

White Background



This preview shows how the XYZ color 70.7413, 78.7820, 16.3285 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 70.7413, 78.7820, 16.3285 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 70.7413, 78.7820, 16.3285

Background



This preview shows how black text looks on a background with the XYZ color 70.7413, 78.7820, 16.3285.



This preview shows how white text looks on a background with the XYZ color 70.7413, 78.7820,

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

70.7413, 78.7820, 16.3285

Protanopia

71.7414, 78.7355, 22.9716

Deuteranopia

77.0281, 78.6556, 57.5766



Tritanopia

81.5203, 78.7424, 86.5035

Trichromacy



Original Color

70.7413, 78.7820, 16.3285

Protanomaly

71.2165, 78.5255, 20.2075

Deuteranomaly

73.5916, 78.1512, 36.7972

Tritanomaly

75.4209, 78.0127, 49.1131

Monochromacy



Original Color

70.7413, 78.7820, 16.3285

Achromatopsia

67.3311, 70.8376, 77.1421

Achromatomaly

66.2772, 72.5755, 45.1656

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.7413, 78.7820, 16.3285 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, 231, 64)` looks like.

```
.text, #text, p{  
    color:rgb(255, 231, 64)  
}
```

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, 231, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 231, 64) }
```

Border

The CSS property to change the border of an element to XYZ 70.7413, 78.7820, 16.3285 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, 231, 64) }
```


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

```
.border{ border-color:rgb(255, 231, 64) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 231, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 231, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 231, 64);  
box-shadow:4px 4px 4px 4px rgb(255, 231,  
64) }
```

Background

The CSS property to change the background color of an element to XYZ 70.7413, 78.7820, 16.3285 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 231, 64) }
```

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

```
.background{ background-color: rgb(255,  
231, 64) }
```

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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