

Converting Colors

XYZ(113.9934, 100.0000,
21.2582)

Have a look what the booklet for
XYZ(113.9934, 100.0000, 21.2582)
contains.

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Color

**XYZ(70.7823, 77.9078,
19.2897)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE552
RGB	255, 229, 82
RGB Percent	100%, 90%, 32%
CMY	0.0000, 0.1019, 0.6784
CMYK	0.00, 0.10, 0.68, 0.00
HSL	51°, 100%, 66%
HSV	51°, 68%, 100%
XYZ	70.7823, 77.9078, 19.2897
YIQ	220.0160, 62.6830, -40.2050

Conversions

Conversions Part 2

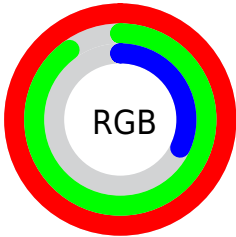
Format	Color
R _Y B	113, 255, 82
Decimal	16770386
CIE Lab	90.74, -6.87, 71.70
CIE LCh	91, 72.032, 95.471
Yxy	77.9078, 0.4214, 0.4638
Android (android.graphics.Color)	4294960466 (0xFFFFE552)
YUV	220.0160, -68.0419, 30.6810
Hunter-Lab	88.2654, -11.3207, 48.8284

Details

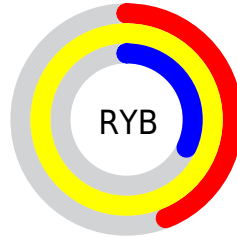
The XYZ color **70.7823, 77.9078, 19.2897** is a light color, and the websafe version is hex **FFFF66**. The color can be described as light muted yellow. A complement of this color would be **26.8922, 19.7385, 96.9997**, and the grayscale version is **68.4700, 72.0358, 78.4470**.

A 20% lighter version of the original color is **81.5874, 94.6150, 38.0072**, and **37.7081, 41.9008, 6.4481** is the 20% darker color. If you saturate the color by 10%, you get **68.9386, 75.4957, 14.7451**, and if you desaturate by 10%, it is **73.0133, 80.5183, 25.7429**.

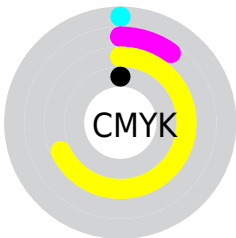
Distribution



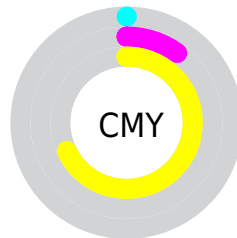
- Red (100%)
- Green (90%)
- Blue (32%)



- Red (44%)
- Yellow (100%)
- Blue (32%)



- Cyan (0%)
- Magenta (10%)
- Yellow (68%)
- Black (0%)





- Cyan (0%)
- Magenta (10%)
- Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 70.7823, 77.9078, 19.2897 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 70.7823, 77.9078, 19.2897 by changing the saturation by 10% instead.


 70.7823, 77.9078,
19.2897

 70.7823, 77.9078,
19.2897


452.5157,
487.8536, 260.5192


 52.4465, 57.9982,
11.7009


 119.3439,
130.4201, 43.0663


 37.5868, 41.8072,
6.4203


 150.3004,
163.7917, 60.0911

 25.8379, 28.9504,
3.0294


 186.1944,
202.4194, 81.0983

 16.8344, 19.0433,
1.1097

 227.3914,
246.6876, 106.5064

 10.2111, 11.7016,
0.0000

274.2566,
296.9808, 136.7340

 5.6025, 6.5408,
0.0000

327.1555,

 2.6432, 3.1766,

353.6832, 172.1997

0.0000

386.4535,
417.1794, 213.3219

■ 0.9680, 1.2246,
0.0000

■ 0.0000, 0.0817,
0.0000

■ 70.7823, 77.9078,
19.2897

■ 70.7823, 77.9078,
19.2897

■ 68.9386, 75.4957,
14.7451

■ 73.0133, 80.5183,
25.7429

■ 67.4345, 73.2536,
11.8818

■ 75.6623, 83.3306,
34.2885

■ 66.2151, 71.1623,
10.4039

■ 78.7626, 86.3614,
45.0941

■ 65.9716, 70.7236,
10.1739

■ 82.3427, 89.6223,
58.3087

■ 86.4287, 93.1238,
74.0689

■ 91.0446, 96.8760,
92.5008

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.



89.4471, 77.9078, 22.6477



70.7823, 77.9078, 19.2897



55.6445, 77.9078, 26.8179

Triad

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



70.7823, 77.9078, 19.2897



49.1818, 77.9078, 156.7525



110.4112, 77.9078, 133.2648

Complementary

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



70.7823, 77.9078, 19.2897



26.8922, 19.7385, 96.9997

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.



96.1209, 77.9078, 194.5571



70.7823, 77.9078, 19.2897



60.5280, 77.9078, 211.5451

Square

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



70.7823, 77.9078, 19.2897



44.5427, 77.9078, 94.6839



77.4147, 77.9078, 227.6336



114.3471, 77.9078, 75.6816

Rectangle

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



70.7823, 77.9078, 19.2897



48.9326, 77.9078, 39.9680



77.4147, 77.9078, 227.6336



106.5571, 77.9078, 154.7414

Sweetspot

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



70.7841, 77.9115, 19.2913



85.5031, 92.3476, 70.4451



47.1177, 28.4393, 17.9979



18.0509, 19.5534, 14.1076



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.



70.7841, 77.9115, 19.2913



68.4293, 74.7700, 13.6707



60.3966, 84.0444, 21.0225



19.3150, 20.5982, 19.1022



34.5599, 37.1311, 5.3455



3.4253, 3.7360, 0.5406

Inverse Universe

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



26.8922, 19.7385, 96.9997



22.1213, 13.5215, 96.0517



31.8271, 18.8020, 96.5589



17.2232, 17.8181, 22.7814



9.8644, 4.6384, 49.8100



1.0223, 0.5753, 4.8704

Previews

White Background



This preview shows how the XYZ color 70.7823, 77.9078, 19.2897 looks on a white background.

Color Contrast Check

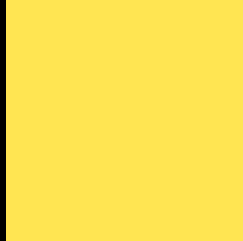
Large Text (above 18pt) WCAG AA × Fail

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 70.7823, 77.9078, 19.2897 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 70.7823, 77.9078, 19.2897

Background



This preview shows how black text looks on a background with the XYZ color 70.7823, 77.9078, 19.2897.



This preview shows how white text looks on a background with the XYZ color 70.7823, 77.9078,

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

70.7823, 77.9078, 19.2897

Protanopia

70.9390, 77.9705, 20.1150

Deuteranopia

76.4429, 77.9902, 55.8244



Tritanopia

80.8544, 77.6362, 85.5867

Trichromacy



Original Color

70.7823, 77.9078, 19.2897

Protanomaly

70.8990, 77.9545, 19.9043

Deuteranomaly

73.6247, 77.7280, 38.3167

Tritanomaly

75.4641, 77.1699, 51.9922

Monochromacy



Original Color

70.7823, 77.9078, 19.2897

Achromatopsia

68.0267, 71.5694, 77.9390

Achromatomaly

67.2476, 73.0013, 48.5765

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.7823, 77.9078, 19.2897 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, 229, 82)` looks like.

```
.text, #text, p{  
    color:rgb(255, 229, 82)  
}
```

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, 229, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 229, 82) }
```

Border

The CSS property to change the border of an element to XYZ 70.7823, 77.9078, 19.2897 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, 229, 82) }
```


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

```
.border{ border-color:rgb(255, 229, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 229, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 229, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 229, 82);  
box-shadow:4px 4px 4px 4px rgb(255, 229,  
82) }
```

Background

The CSS property to change the background color of an element to XYZ 70.7823, 77.9078, 19.2897 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 229, 82) }
```

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

```
.background{ background-color: rgb(255,  
229, 82) }
```

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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