

Converting Colors

XYZ(101.7787, 93.3083,
21.2607)

Have a look what the booklet for
XYZ(101.7787, 93.3083, 21.2607)
contains.

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Color

**XYZ(70.6231, 77.4027,
19.8123)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | FFE455 |
| RGB | 255, 228, 85 |
| RGB Percent | 100%, 89%, 33% |
| CMY | 0.0000, 0.1059, 0.6666 |
| CMYK | 0.00, 0.11, 0.67, 0.00 |
| HSL | 50°, 100%, 67% |
| HSV | 50°, 67%, 100% |
| XYZ | 70.6231, 77.4027, 19.8123 |
| YIQ | 219.7710, 61.9950, -38.7490 |

Conversions

Conversions Part 2

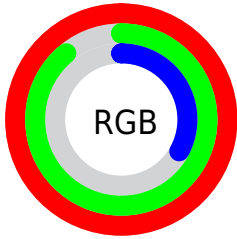
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 117, 255, 85 |
| Decimal | 16770133 |
| CIE _{Lab} | 90.51, -6.21, 70.30 |
| CIE _{LCh} | 91, 70.573, 95.049 |
| Yxy | 77.4027, 0.4208, 0.4612 |
| Android (android.graphics.Color) | 4294960213 (0xFFFFE455) |
| YUV | 219.7710, -66.4421, 30.8958 |
| Hunter-Lab | 87.9788, -10.6759, 48.2334 |

Details

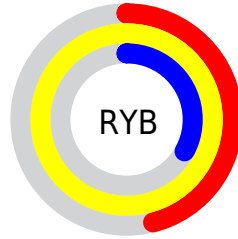
The XYZ color **70.6231, 77.4027, 19.8123** is a light color, and the websafe version is hex **FFCC33**. The color can be described as light muted yellow. A complement of this color would be **27.5904, 20.7391, 97.1560**, and the grayscale version is **68.2881, 71.8444, 78.2385**.

A 20% lighter version of the original color is **81.8077, 94.7031, 39.1671**, and **37.5755, 41.5397, 6.6994** is the 20% darker color. If you saturate the color by 10%, you get **68.6866, 74.8695, 15.0377**, and if you desaturate by 10%, it is **72.9541, 80.1413, 26.5200**.

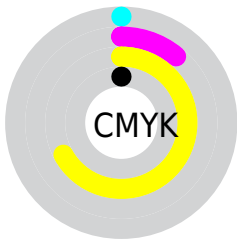
Distribution



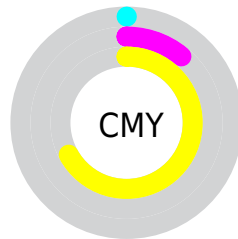
- Red (100%)
- Green (89%)
- Blue (33%)



- Red (46%)
- 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 70.6231, 77.4027, 19.8123 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 70.6231, 77.4027, 19.8123 by changing the saturation by 10% instead.

70.6231, 77.4027,
19.8123

70.6231, 77.4027,
19.8123

451.9672,
486.1359, 263.4677

52.3161, 57.5834,
12.0760

119.1183,
129.7078, 43.9571

37.4824, 41.4739,
6.6723

150.0373,
162.9624, 61.2026

25.7566, 28.6895,
3.1827

185.8910,
201.4642, 82.4550

16.7734, 18.8461,
1.1886

227.0447,
245.5977, 108.1327

10.1673, 11.5591,
0.0000

273.8638,
295.7473, 138.6542

5.5732, 6.4442,
0.0000

326.7137,

2.6255, 3.1170,

352.2972, 174.4382

0.0000

385.9597,
415.6320, 215.9032

■ 0.9590, 1.1931,
0.0000

■ 0.0000, 0.0561,
0.0000

■ 70.6231, 77.4027,
19.8123

■ 70.6231, 77.4027,
19.8123

■ 68.6866, 74.8695,
15.0377

■ 72.9541, 80.1413,
26.5200

■ 67.0978, 72.5140,
11.9739


■ 75.7096, 83.0888,
35.3416


■ 65.8063, 70.3185,
10.3487

■ 78.9227, 86.2617,
46.4423

■ 65.4155, 69.6113,
9.9886

■ 82.6216, 89.6714,
59.9697

 86.8320, 93.3285,
76.0590

 91.5779, 97.2430,
94.8351

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.



88.8297, 77.4027, 23.3108



70.6231, 77.4027, 19.8123



55.7539, 77.4027, 27.1330

Triad

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



70.6231, 77.4027, 19.8123



49.1418, 77.4027, 153.3027



108.8180, 77.4027, 132.2729

Complementary

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



70.6231, 77.4027, 19.8123



27.5904, 20.7391, 97.1560

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.



94.8243, 77.4027, 191.4801



70.6231, 77.4027, 19.8123



60.1645, 77.4027, 206.6433

Square

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



70.6231, 77.4027, 19.8123



44.6831, 77.4027, 93.1228



76.5956, 77.4027, 222.8541



112.8056, 77.4027, 76.0125

Rectangle

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



70.6231, 77.4027, 19.8123



49.1163, 77.4027, 39.9689



76.5956, 77.4027, 222.8541



105.0296, 77.4027, 153.0994

Sweetspot

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



70.6249, 77.4064, 19.8139



85.3699, 92.0812, 70.4007



47.4882, 28.9574, 18.8089



18.0186, 19.4888, 14.0969



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.



70.6249, 77.4064, 19.8139



68.1206, 74.0652, 13.8376



60.7766, 84.2268, 21.6494



19.3012, 20.5705, 19.0976



34.2731, 36.5575, 5.2499



3.4000, 3.6854, 0.5322

Inverse Universe

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



27.5904, 20.7391, 97.1560



22.5386, 14.1705, 96.1550



32.3974, 19.4392, 96.6518



17.2359, 17.8434, 22.7856



9.9051, 4.7199, 49.8235



1.0282, 0.5871, 4.8724

Previews

White Background



This preview shows how the XYZ color 70.6231, 77.4027, 19.8123 looks on a white background.

Color Contrast Check

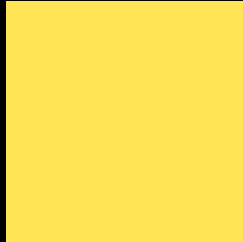
Large Text (above 18pt) WCAG AA × Fail

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 70.6231, 77.4027, 19.8123 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 70.6231, 77.4027, 19.8123

Background



This preview shows how black text looks on a background with the XYZ color 70.6231, 77.4027, 19.8123.



This preview shows how white text looks on a background with the XYZ color 70.6231, 77.4027,

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

70.6231, 77.4027, 19.8123

Protanopia

70.2561, 77.2135, 19.7951

Deuteranopia

75.9682, 77.3715, 54.6463



Tritanopia

80.4543, 77.0600, 84.7624

Trichromacy



Original Color

70.6231, 77.4027, 19.8123

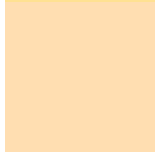
Protanomaly

70.2561, 77.2135, 19.7951



Deuteranomaly

73.3535, 77.1858, 38.2263



Tritanomaly

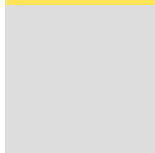
75.2971, 76.6769, 52.4265

Monochromacy



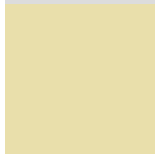
Original Color

70.6231, 77.4027, 19.8123



Achromatopsia

68.0267, 71.5694, 77.9390



Achromatomaly

67.3426, 73.0393, 49.0767

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.6231, 77.4027, 19.8123 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, 228, 85)` looks like.

```
.text, #text, p{  
    color:rgb(255, 228, 85)  
}
```

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, 228, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 228, 85) }
```

Border

The CSS property to change the border of an element to XYZ 70.6231, 77.4027, 19.8123 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, 228, 85) }
```


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

```
.border{ border-color:rgb(255, 228, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 228, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 228, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 228, 85);  
box-shadow:4px 4px 4px 4px rgb(255, 228,  
85) }
```

Background

The CSS property to change the background color of an element to XYZ 70.6231, 77.4027, 19.8123 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 228, 85) }
```

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

```
.background{ background-color: rgb(255,  
228, 85) }
```

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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