

Converting Colors

XYZ(69.7190, 78.1956, 11.4920)

Have a look what the booklet for
XYZ(69.7190, 78.1956, 11.4920)
contains.

XYZ(69.8323, 78.4184, 11.5419)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(69.8323, 78.4184,
11.5419)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE703
RGB	255, 231, 3
RGB Percent	100%, 91%, 1%
CMY	0.0000, 0.0941, 0.9881
CMYK	0.00, 0.09, 0.99, 0.00
HSL	54°, 100%, 51%
HSV	54°, 99%, 100%
XYZ	69.8323, 78.4184, 11.5419
YIQ	212.1840, 87.4920, -65.8200

Conversions

Conversions Part 2

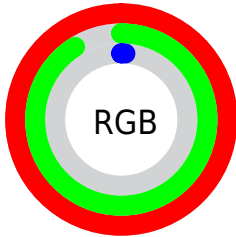
Format	Color
R _Y B	30, 255, 3
Decimal	16770819
CIE Lab	90.97, -9.91, 89.78
CIE LCh	91, 90.324, 96.297
Yxy	78.4184, 0.4370, 0.4908
Android (android.graphics.Color)	4294960899 (0xFFFFE703)
YUV	212.1840, -103.1277, 37.5496
Hunter-Lab	88.5542, -14.2077, 54.2602

Details

The XYZ color **69.8323, 78.4184, 11.5419** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light saturated yellow. A complement of this color would be **18.4803, 8.0246, 95.1817**, and the grayscale version is **63.3304, 66.6285, 72.5584**.

A 20% lighter version of the original color is **78.9318, 93.5527, 24.0225**, and **37.5177, 42.3881, 6.2043** is the 20% darker color. If you saturate the color by 10%, you get **69.7366, 78.2539, 11.4290**, and if you desaturate by 10%, it is **70.7179, 79.8707, 12.8218**.

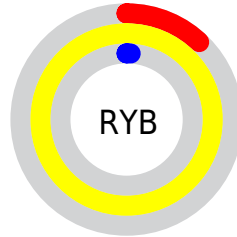
Distribution



Red (100%)

Green (91%)

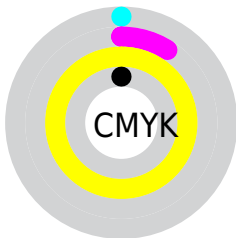
Blue (1%)



Red (12%)

Yellow (100%)

Blue (1%)

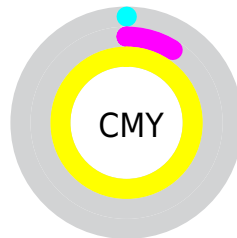


Cyan (0%)

Magenta (9%)

Yellow (99%)

Black (0%)



Cyan (0%)


Magenta (9%)


Yellow (99%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 69.8323, 78.4184, 11.5419 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 69.8323, 78.4184, 11.5419 by changing the saturation by 10% instead.


 69.8323, 78.4184,
11.5419

 69.8323, 78.4184,
11.5419


449.2366,
489.5866, 212.2176


 51.6689, 58.4177,
6.3138


 117.9971,
131.1398, 29.3098


 36.9645, 42.1446,
2.9650


 148.7293,
164.6293, 42.6867


 25.3535, 29.2145,
1.0768


 184.3818,
203.3838, 59.6170

 16.4708, 19.2432,
0.0000

 225.3200,
247.7879, 80.5191

 9.9508, 11.8461,
0.0000

 271.9092,
298.2258, 105.8117

 5.4284, 6.6390,
0.0000

 324.5148,

 2.5381, 3.2374,

355.0819, 135.9133

0.0000

383.5021,
418.7407, 171.2425

■ 0.9145, 1.2569,
0.0000

■ 0.0000, 0.1074,
0.0000

■ 69.8323, 78.4184,
11.5419

■ 69.8323, 78.4184,
11.5419

■ 69.7366, 78.2539,
11.4290

■ 70.7179, 79.8707,
12.8218

■ 71.8623, 81.4386,
15.4259

■ 73.3298, 83.1509,
19.6842

■ 75.1634, 85.0249,
25.8236

■ 77.3995, 87.0753,
34.0352

■ 80.0699, 89.3148,
44.4867

■ 83.2034, 91.7549,
57.3287

■ 86.8260, 94.4062,
72.6988

■ 90.9619, 97.2783,
90.7240

Harmonies

Analogous

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



93.5658, 78.4184, 14.3281



69.8323, 78.4184, 11.5419



51.4949, 78.4184, 18.9352

Triad

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



69.8323, 78.4184, 11.5419



44.5115, 78.4184, 183.2564



122.2664, 78.4184, 146.3932

Complementary

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



69.8323, 78.4184, 11.5419



18.4803, 8.0246, 95.1817

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.



103.5877, 78.4184, 231.6482



69.8323, 78.4184, 11.5419



58.2761, 78.4184, 259.4581

Square

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



69.8323, 78.4184, 11.5419



38.9231, 78.4184, 99.8965



79.4428, 78.4184, 280.6223



127.1007, 78.4184, 72.3504

Rectangle

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



69.8323, 78.4184, 11.5419



43.7097, 78.4184, 32.9777



79.4428, 78.4184, 280.6223



117.2365, 78.4184, 175.6235

Sweetspot

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



69.8341, 78.4222, 11.5435



82.8063, 91.4546, 55.6713



41.4849, 21.4106, 3.0593



17.4339, 19.3517, 10.7195



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.



69.8341, 78.4222, 11.5435



69.7373, 78.2547, 11.4291



49.1433, 78.4169, 12.6330



19.4047, 20.7775, 19.1321



36.4999, 41.0110, 5.9922



3.5951, 4.0755, 0.5972

Inverse Universe

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



18.4803, 8.0246, 95.1817



18.3825, 7.8849, 95.1608



23.7708, 10.2181, 95.3262



17.1421, 17.6558, 22.7544



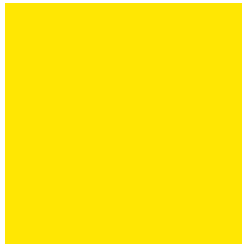
9.6513, 4.2121, 49.7389



0.9842, 0.4991, 4.8577

Previews

White Background



This preview shows how the XYZ color 69.8323, 78.4184, 11.5419 looks on a white background.

Color Contrast Check

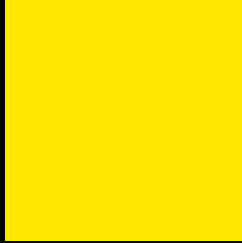
Large Text (above 18pt) WCAG AA × Fail

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 69.8323, 78.4184, 11.5419 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 69.8323, 78.4184, 11.5419

Background



This preview shows how black text looks on a background with the XYZ color 69.8323, 78.4184, 11.5419.



This preview shows how white text looks on a background with the XYZ color 69.8323, 78.4184,

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

69.8323, 78.4184, 11.5419

Protanopia

71.3823, 78.5918, 21.0803

Deuteranopia

76.7125, 78.5293, 55.9142



Tritanopia

81.2570, 78.2159, 86.4158

Trichromacy



Original Color

69.8323, 78.4184, 11.5419



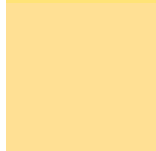
Protanomaly

70.3005, 78.1591, 15.3840



Deuteranomaly

71.9791, 77.5062, 28.3060



Tritanomaly

73.2410, 76.7094, 38.9632

Monochromacy



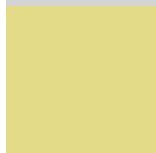
Original Color

69.8323, 78.4184, 11.5419



Achromatopsia

62.5785, 65.8375, 71.6970



Achromatomaly

61.7704, 68.9346, 33.3426

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.8323, 78.4184, 11.5419 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, 3)` looks like.

```
.text, #text, p{  
    color:rgb(255, 231, 3)  
}
```

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, 3) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 231, 3) }
```

Border

The CSS property to change the border of an element to XYZ 69.8323, 78.4184, 11.5419 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, 3) }
```


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

```
.border{ border-color:rgb(255, 231, 3) }
```

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, 3)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 231, 3); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 231, 3);  
box-shadow:4px 4px 4px 4px rgb(255, 231,  
3) }
```

Background

The CSS property to change the background color of an element to XYZ 69.8323, 78.4184, 11.5419 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, 3) }
```

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

```
.background{ background-color: rgb(255,  
231, 3) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor