

Converting Colors

XYZ(69.8556, 78.2834, 12.1091)

Have a look what the booklet for
XYZ(69.8556, 78.2834, 12.1091)
contains.

XYZ(69.9422, 78.4623, 12.1202)	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(69.9422, 78.4623,
12.1202)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE714
RGB	255, 231, 20
RGB Percent	100%, 91%, 8%
CMY	0.0000, 0.0941, 0.9215
CMYK	0.00, 0.09, 0.92, 0.00
HSL	54°, 100%, 54%
HSV	54°, 92%, 100%
XYZ	69.9422, 78.4623, 12.1202
YIQ	214.1220, 82.0350, -60.5330

Conversions

Conversions Part 2

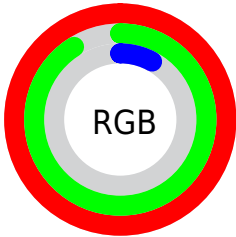
Format	Color
R_{YB}	47, 255, 20
Decimal	16770836
CIE _{Lab}	90.99, -9.76, 88.26
CIE _{LCh}	91, 88.795, 96.308
Yxy	78.4623, 0.4357, 0.4888
Android (android.graphics.Color)	4294960916 (0xFFFFE714)
YUV	214.1220, -95.7021, 35.8500
Hunter-Lab	88.5789, -14.0690, 53.8927

Details

The XYZ color **69.9422, 78.4623, 12.1202** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **19.2399, 9.1712, 95.3632**, and the grayscale version is **64.5878, 67.9514, 73.9990**.

A 20% lighter version of the original color is **79.1577, 93.6431, 25.2121**, and **37.5177, 42.3881, 6.2043** is the 20% darker color. If you saturate the color by 10%, you get **69.2487, 77.2778, 11.2663**, and if you desaturate by 10%, it is **71.0355, 80.0774, 14.2479**.

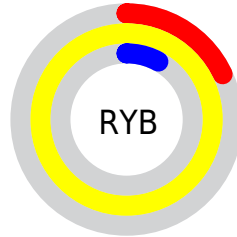
Distribution



Red (100%)

Green (91%)

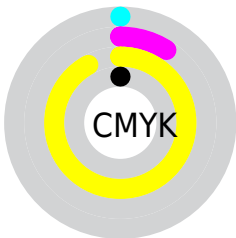
Blue (8%)



Red (18%)

Yellow (100%)

Blue (8%)

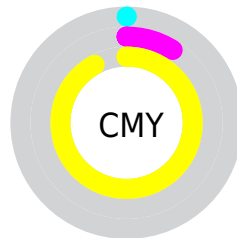


Cyan (0%)

Magenta (9%)

Yellow (92%)

Black (0%)



Cyan (0%)

Magenta (9%)

Yellow (92%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.9422, 78.4623, 12.1202 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 69.9422, 78.4623, 12.1202 by changing the saturation by 10% instead.

69.9422, 78.4623,
12.1202

69.9422, 78.4623,
12.1202

449.6166,
489.7354, 216.2055

51.7588, 58.4538,
6.7021

118.1530,
131.2016, 30.3815

37.0364, 42.1736,
3.2009

148.9112,
164.7012, 44.0617

25.4095, 29.2373,
1.1981

184.5918,
203.4667, 61.3331

16.5127, 19.2604,
0.0000

225.5599,
247.8824, 82.6141

9.9808, 11.8586,
0.0000

272.1812,
298.3327, 108.3233

5.4484, 6.6474,
0.0000

324.8208,

2.5501, 3.2426,

355.2021, 138.8793

0.0000

383.8442,
418.8749, 174.7005

■ 0.9206, 1.2597,
0.0000

■ 0.0000, 0.1096,
0.0000

■ 69.9422, 78.4623,
12.1202

■ 69.9422, 78.4623,
12.1202

■ 69.2487, 77.2778,
11.2663

■ 71.0355, 80.0774,
14.2479

■ 72.4348, 81.8293,
17.9415

■ 74.1882, 83.7403,
23.4455

■ 76.3340, 85.8259,
30.9615

■ 78.9053, 88.0992,
40.6641

■ 81.9318, 90.5724,
52.7090

■ 85.4403, 93.2562,
67.2378

■ 89.4558, 96.1606,
84.3807

■ 94.0012, 99.2949,
104.2591

Harmonies

Analogous

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



93.2592, 78.4623, 14.9394



69.9422, 78.4623, 12.1202



51.8660, 78.4623, 19.5920

Triad

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



69.9422, 78.4623, 12.1202



44.9697, 78.4623, 181.2846



121.3874, 78.4623, 145.2114

Complementary

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



69.9422, 78.4623, 12.1202



19.2399, 9.1712, 95.3632

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.



103.1025, 78.4623, 228.4017



69.9422, 78.4623, 12.1202



58.5713, 78.4623, 255.5217

Square

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



69.9422, 78.4623, 12.1202



39.4306, 78.4623, 99.7175



79.4102, 78.4623, 276.0837



126.1102, 78.4623, 72.5806

Rectangle

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



69.9422, 78.4623, 12.1202



44.1692, 78.4623, 33.6426



79.4102, 78.4623, 276.0837



116.4671, 78.4623, 173.7706

Sweetspot

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



69.9440, 78.4660, 12.1218



83.3281, 91.6604, 58.4282



42.0121, 21.9696, 4.7617



17.5253, 19.3772, 11.2348



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.



69.9440, 78.4660, 12.1218



69.2492, 77.2783, 11.2664



51.3874, 79.5613, 13.3112



19.3934, 20.7550, 19.1283



36.2486, 40.5083, 5.9084



3.5732, 4.0318, 0.5899

Inverse Universe

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



19.2399, 9.1712, 95.3632



18.4202, 7.9604, 95.1734



24.7427, 11.0421, 95.4343



17.1522, 17.6760, 22.7577



9.6734, 4.2564, 49.7463



0.9890, 0.5086, 4.8593

Previews

White Background



This preview shows how the XYZ color 69.9422, 78.4623, 12.1202 looks on a white background.

Color Contrast Check

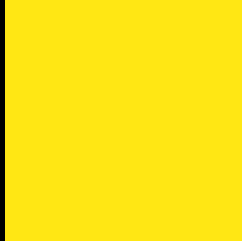
Large Text (above 18pt) WCAG AA × Fail

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 69.9422, 78.4623, 12.1202 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 69.9422, 78.4623, 12.1202

Background



This preview shows how black text looks on a background with the XYZ color 69.9422, 78.4623, 12.1202.



This preview shows how white text looks on a background with the XYZ color 69.9422, 78.4623,

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

69.9422, 78.4623, 12.1202

Protanopia

71.4251, 78.6090, 21.3061

Deuteranopia

76.7125, 78.5293, 55.9142



Tritanopia

81.2570, 78.2159, 86.4158

Trichromacy



Original Color

69.9422, 78.4623, 12.1202



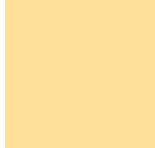
Protanomaly

70.4909, 78.2353, 16.3867



Deuteranomaly

72.3472, 77.6534, 30.2443



Tritanomaly

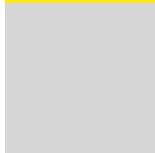
73.7284, 76.9044, 41.5300

Monochromacy



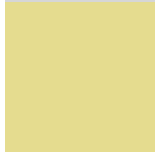
Original Color

69.9422, 78.4623, 12.1202



Achromatopsia

63.9157, 67.2443, 73.2291



Achromatomaly

62.8642, 69.8276, 36.1514

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.9422, 78.4623, 12.1202 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, 20)` looks like.

```
.text, #text, p{  
    color:rgb(255, 231, 20)  
}
```

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, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 231, 20) }
```

Border

The CSS property to change the border of an element to XYZ 69.9422, 78.4623, 12.1202 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, 20) }
```


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

```
.border{ border-color:rgb(255, 231, 20) }
```

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, 20)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 231, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 231, 20);  
box-shadow:4px 4px 4px 4px rgb(255, 231,  
20) }
```

Background

The CSS property to change the background color of an element to XYZ 69.9422, 78.4623, 12.1202 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, 20) }
```

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

```
.background{ background-color: rgb(255,  
231, 20) }
```

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