

Converting Colors

XYZ(69.0036, 76.1260, 13.2231)

Have a look what the booklet for
XYZ(69.0036, 76.1260, 13.2231)
contains.

XYZ(69.1270, 76.3653, 13.2871)	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(69.1270, 76.3653,
13.2871)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE32A
RGB	255, 227, 42
RGB Percent	100%, 89%, 16%
CMY	0.0000, 0.1098, 0.8353
CMYK	0.00, 0.11, 0.84, 0.00
HSL	52°, 100%, 58%
HSV	52°, 84%, 100%
XYZ	69.1270, 76.3653, 13.2871
YIQ	214.2820, 76.0730, -51.5990

Conversions

Conversions Part 2

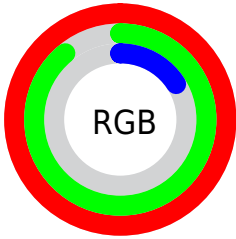
Format	Color
R_{YB}	74, 255, 42
Decimal	16769834
CIE _{Lab}	90.03, -7.37, 83.61
CIE _{LCh}	90, 83.931, 95.039
Yxy	76.3653, 0.4354, 0.4810
Android (android.graphics.Color)	4294959914 (0xFFFFE32A)
YUV	214.2820, -84.9350, 35.7097
Hunter-Lab	87.3872, -11.7266, 52.1561

Details

The XYZ color **69.1270, 76.3653, 13.2871** is a light color, and the websafe version is hex **FFCC00**. The color can be described as light washed yellow. A complement of this color would be **21.1954, 12.0930, 95.8241**, and the grayscale version is **64.6276, 67.9933, 74.0447**.

A 20% lighter version of the original color is **79.6538, 93.8415, 27.8249**, and **37.0007, 40.9744, 5.9587** is the 20% darker color. If you saturate the color by 10%, you get **67.9002, 74.4251, 11.2972**, and if you desaturate by 10%, it is **70.6648, 78.4644, 16.8114**.

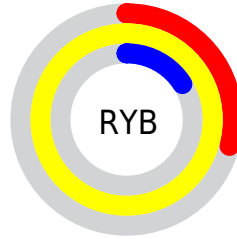
Distribution



Red (100%)

Green (89%)

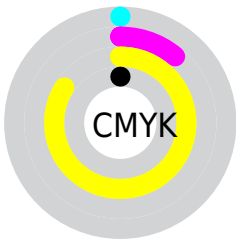
Blue (16%)



Red (29%)

Yellow (100%)

Blue (16%)

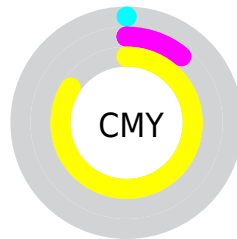


Cyan (0%)

Magenta (11%)

Yellow (84%)

Black (0%)



Cyan (0%)

Magenta (11%)

Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.1270, 76.3653, 13.2871 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 69.1270, 76.3653, 13.2871 by changing the saturation by 10% instead.

69.1270, 76.3653,
13.2871

69.1270, 76.3653,
13.2871

446.7931,
482.5973, 224.0216

51.0922, 56.7321,
7.4935

116.9960,
128.2431, 32.5173

36.5033, 40.7902,
3.6895

147.5609,
161.2566, 46.7910

24.9951, 28.1552,
1.4566

183.0332,
199.4989, 64.7285

16.2021, 18.4427,
0.1853

223.7783,
243.3545, 86.7483

9.7590, 11.2683,
0.0000

270.1614,
293.2077, 113.2690

5.3005, 6.2476,
0.0000

322.5481,

2.4612, 2.9962,

349.4430, 144.7091

0.0000

381.3035,
412.4447, 181.4871

■ 0.8757, 1.1297,
0.0000

■ 0.0000, 0.0032,
0.0000

■ 69.1270, 76.3653,
13.2871

■ 69.1270, 76.3653,
13.2871

■ 67.9002, 74.4251,
11.2972


■ 70.6648, 78.4644,
16.8114


■ 67.2245, 73.2295,
10.5916


■ 72.5561, 80.7307,
22.1166


■ 74.8419, 83.1836,
29.4102

■ 77.5561, 85.8369,
38.8699

 80.7287, 88.7028,
50.6539

 84.3870, 91.7923,
64.9053

 88.5562, 95.1156,
81.7561

 93.2596, 98.6822,
101.3285

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.



90.8001, 76.3653, 16.5414



69.1270, 76.3653, 13.2871



51.9597, 76.3653, 20.2116

Triad

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



69.1270, 76.3653, 13.2871



44.5178, 76.3653, 167.7564



115.2077, 76.3653, 141.4477

Complementary

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



69.1270, 76.3653, 13.2871



21.1954, 12.0930, 95.8241

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.



98.0477, 76.3653, 216.5835



69.1270, 76.3653, 13.2871



56.9815, 76.3653, 236.1898

Square

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



69.1270, 76.3653, 13.2871



39.5913, 76.3653, 93.6188



76.1522, 76.3653, 257.3607



120.1489, 76.3653, 73.4901

Rectangle

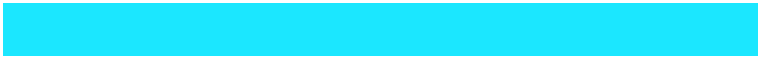
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



69.1270, 76.3653, 13.2871



44.4954, 76.3653, 33.2743



76.1522, 76.3653, 257.3607



110.5355, 76.3653, 167.5534

Sweetspot

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



69.1287, 76.3690, 13.2886



83.8167, 91.3229, 62.6441



43.1864, 23.3638, 8.0957



17.6585, 19.3115, 12.3031



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.



69.1287, 76.3690, 13.2886



67.2250, 73.2301, 10.5917



54.2872, 81.0225, 14.9691



19.3456, 20.6594, 19.1124



35.2059, 38.4230, 5.5608



3.4820, 3.8494, 0.5595

Inverse Universe

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



21.1954, 12.0930, 95.8241



18.6082, 8.3364, 95.2361



26.6386, 12.8772, 95.6886



17.1954, 17.7624, 22.7721



9.7820, 4.4737, 49.7825



1.0093, 0.5492, 4.8661

Previews

White Background



This preview shows how the XYZ color 69.1270, 76.3653, 13.2871 looks on a white background.

Color Contrast Check

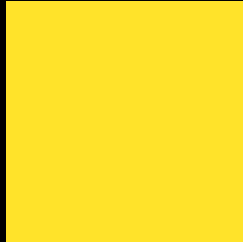
Large Text (above 18pt) WCAG AA × Fail

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 69.1270, 76.3653, 13.2871 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 69.1270, 76.3653, 13.2871

Background



This preview shows how black text looks on a background with the XYZ color 69.1270, 76.3653, 13.2871.



This preview shows how white text looks on a background with the XYZ color 69.1270, 76.3653,

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

69.1270, 76.3653, 13.2871

Protanopia

69.1270, 76.3653, 13.2871

Deuteranopia

74.8343, 76.0680, 51.2958



Tritanopia

79.9180, 76.4318, 83.2137

Trichromacy



Original Color

69.1270, 76.3653, 13.2871

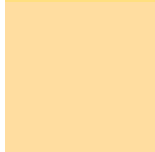
Protanomaly

69.1270, 76.3653, 13.2871



Deuteranomaly

71.4584, 75.5677, 30.8984



Tritanomaly

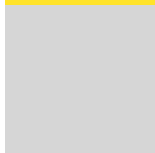
73.4416, 75.5110, 43.9620

Monochromacy



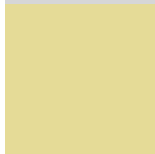
Original Color

69.1270, 76.3653, 13.2871



Achromatopsia

63.9157, 67.2443, 73.2291



Achromatomaly

63.2305, 69.5554, 39.3711

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.1270, 76.3653, 13.2871 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, 227, 42)` looks like.

```
.text, #text, p{  
    color:rgb(255, 227, 42)  
}
```

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, 227, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 227, 42) }
```

Border

The CSS property to change the border of an element to XYZ 69.1270, 76.3653, 13.2871 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, 227, 42) }
```


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

```
.border{ border-color:rgb(255, 227, 42) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 227, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 227, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 227, 42);  
box-shadow:4px 4px 4px 4px rgb(255, 227,  
42) }
```

Background

The CSS property to change the background color of an element to XYZ 69.1270, 76.3653, 13.2871 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 227, 42) }
```

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

```
.background{ background-color: rgb(255,  
227, 42) }
```

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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