

Converting Colors

XYZ(113.2485, 100.0000,
17.1113)

Have a look what the booklet for
XYZ(113.2485, 100.0000, 17.1113)
contains.

XYZ(69.9731, 77.5841, 15.0286)	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(69.9731, 77.5841,
15.0286)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE538
RGB	255, 229, 56
RGB Percent	100%, 90%, 22%
CMY	0.0000, 0.1019, 0.7804
CMYK	0.00, 0.10, 0.78, 0.00
HSL	52°, 100%, 61%
HSV	52°, 78%, 100%
XYZ	69.9731, 77.5841, 15.0286
YIQ	217.0520, 71.0290, -48.2910

Conversions

Conversions Part 2

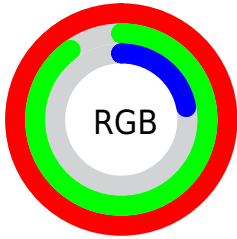
Format	Color
R _Y B	86, 255, 56
Decimal	16770360
CIE Lab	90.59, -7.96, 80.42
CIE LCh	91, 80.810, 95.655
Yxy	77.5841, 0.4304, 0.4772
Android (android.graphics.Color)	4294960440 (0xFFFFE538)
YUV	217.0520, -79.3986, 33.2804
Hunter-Lab	88.0818, -12.3410, 51.5412

Details

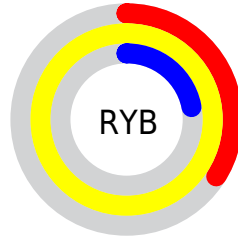
The XYZ color **69.9731, 77.5841, 15.0286** is a light color, and the websafe version is hex **FFCC00**. The color can be described as light washed yellow. A complement of this color would be **22.6984, 14.0954, 96.1314**, and the grayscale version is **66.4844, 69.9468, 76.1720**.

A 20% lighter version of the original color is **80.2109, 94.0644, 30.7583**, and **37.3842, 41.7414, 6.0865** is the 20% darker color. If you saturate the color by 10%, you get **68.5889, 75.5728, 12.2345**, and if you desaturate by 10%, it is **71.6957, 79.7650, 19.5020**.

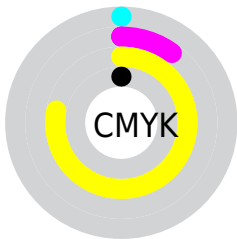
Distribution



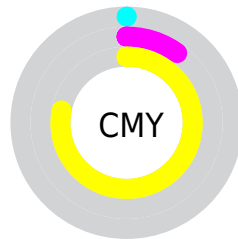
- Red (100%)
- Green (90%)
- Blue (22%)



- Red (34%)
- Yellow (100%)
- Blue (22%)



- Cyan (0%)
- Magenta (10%)
- Yellow (78%)
- Black (0%)



- Cyan (0%)
- Magenta (10%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.9731, 77.5841, 15.0286 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 69.9731, 77.5841, 15.0286 by changing the saturation by 10% instead.

69.9731, 77.5841,
15.0286

69.9731, 77.5841,
15.0286

449.7234,
486.7532, 235.1860

51.7841, 57.7324,
8.6926

118.1969,
129.9637, 35.6464

37.0566, 41.5935,
4.4472

148.9624,
163.2603, 50.7652

25.4252, 28.7832,
1.8737

184.6508,
201.8074, 69.6488

16.5245, 18.9168,
0.4759

225.6274,
245.9893, 92.7156

9.9893, 11.6102,
0.0000

272.2576,
296.1905, 120.3841

5.4541, 6.4789,
0.0000

324.9068,

2.5535, 3.1384,

352.7952, 153.0731

0.0000

383.9403,
416.1880, 191.2008

■ 0.9223, 1.2044,
0.0000

■ 0.0000, 0.0653,
0.0000

■ 69.9731, 77.5841,
15.0286

■ 69.9731, 77.5841,
15.0286

■ 68.5889, 75.5728,
12.2345

■ 71.6957, 79.7650,
19.5020

■ 67.4802, 73.6969,
10.8121

■ 73.7940, 82.1216,
25.8735

■ 67.2790, 73.3385,
10.6098

■ 76.3056, 84.6722,
34.3337

■ 79.2623, 87.4296,
45.0488

■ 82.6925, 90.4053,
58.1683

■ 86.6222, 93.6098,
73.8289

■ 91.0756, 97.0530,
92.1568

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.



90.9724, 77.5841, 18.1903



69.9731, 77.5841, 15.0286



53.3061, 77.5841, 22.4275

Triad

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



69.9731, 77.5841, 15.0286



46.4282, 77.5841, 167.5052



115.1764, 77.5841, 139.2430

Complementary

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



69.9731, 77.5841, 15.0286



22.6984, 14.0954, 96.1314

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.



98.8275, 77.5841, 211.2270



69.9731, 77.5841, 15.0286



58.8363, 77.5841, 232.1097

Square

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



69.9731, 77.5841, 15.0286



41.4022, 77.5841, 95.9398



77.6425, 77.5841, 250.9733



119.6354, 77.5841, 73.9636

Rectangle

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



69.9731, 77.5841, 15.0286



46.0543, 77.5841, 35.9131



77.6425, 77.5841, 250.9733



110.7595, 77.5841, 164.2316

Sweetspot

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



69.9749, 77.5878, 15.0302



84.6083, 91.9906, 65.7303



44.1978, 24.7063, 10.5300



17.8128, 19.4452, 12.8939



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.



69.9749, 77.5878, 15.0302



67.9009, 74.4403, 11.2529



55.7735, 81.7545, 16.5829



19.3469, 20.6620, 19.1128



35.2339, 38.4791, 5.5702



3.4845, 3.8544, 0.5603

Inverse Universe

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



22.6984, 14.0954, 96.1314



19.2529, 9.3261, 95.3931



28.5132, 14.7138, 95.9443



17.1942, 17.7601, 22.7718



9.7787, 4.4671, 49.7814



1.0087, 0.5481, 4.8659

Previews

White Background



This preview shows how the XYZ color 69.9731, 77.5841, 15.0286 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 69.9731, 77.5841, 15.0286 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 69.9731, 77.5841, 15.0286

Background



This preview shows how black text looks on a background with the XYZ color 69.9731, 77.5841, 15.0286.



This preview shows how white text looks on a background with the XYZ color 69.9731, 77.5841,

15.0286.

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

69.9731, 77.5841, 15.0286

Protanopia

70.5638, 77.8204, 18.1392

Deuteranopia

75.8659, 77.3306, 54.1078



Tritanopia

80.7144, 77.5802, 84.8491

Trichromacy



Original Color

69.9731, 77.5841, 15.0286

Protanomaly

70.3335, 77.7283, 16.9263

Deuteranomaly

72.5384, 76.8597, 33.9339

Tritanomaly

74.5106, 76.7885, 46.9709

Monochromacy



Original Color

69.9731, 77.5841, 15.0286

Achromatopsia

65.9525, 69.3872, 75.5626

Achromatomaly

64.9830, 71.1704, 42.6601

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.9731, 77.5841, 15.0286 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, 56)` looks like.

```
.text, #text, p{  
    color:rgb(255, 229, 56)  
}
```

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, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 229, 56) }
```

Border

The CSS property to change the border of an element to XYZ 69.9731, 77.5841, 15.0286 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, 56) }
```


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

```
.border{ border-color:rgb(255, 229, 56) }
```

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, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 229, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 229, 56);  
box-shadow:4px 4px 4px 4px rgb(255, 229,  
56) }
```

Background

The CSS property to change the background color of an element to XYZ 69.9731, 77.5841, 15.0286 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, 56) }
```

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

```
.background{ background-color: rgb(255,  
229, 56) }
```

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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