

Converting Colors

XYZ(69.8045, 77.5204, 14.1291)

Have a look what the booklet for
XYZ(69.8045, 77.5204, 14.1291)
contains.

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Color

**XYZ(69.7928, 77.5120,
14.0791)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE530
RGB	255, 229, 48
RGB Percent	100%, 90%, 19%
CMY	0.0000, 0.1019, 0.8117
CMYK	0.00, 0.10, 0.81, 0.00
HSL	52°, 100%, 59%
HSV	52°, 81%, 100%
XYZ	69.7928, 77.5120, 14.0791
YIQ	216.1400, 73.5970, -50.7790

Conversions

Conversions Part 2

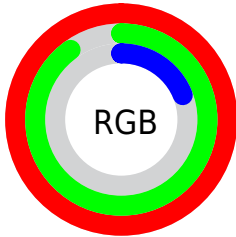
Format	Color
RYB	78, 255, 48
Decimal	16770352
CIELab	90.56, -8.21, 82.58
CIELCh	91, 82.990, 95.677
Yxy	77.5120, 0.4325, 0.4803
Android (android.graphics.Color)	4294960432 (0xFFFFE530)
YUV	216.1400, -82.8930, 34.0802
Hunter-Lab	88.0409, -12.5690, 52.1472

Details

The XYZ color **69.7928, 77.5120, 14.0791** 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 **21.7180, 12.7462, 95.9226**, and the grayscale version is **65.8804, 69.3113, 75.4800**.

A 20% lighter version of the original color is **79.8692, 93.9277, 28.9592**, and **37.3842, 41.7414, 6.0865** is the 20% darker color. If you saturate the color by 10%, you get **68.5328, 75.6063, 11.7664**, and if you desaturate by 10%, it is **71.3747, 79.5786, 17.9904**.

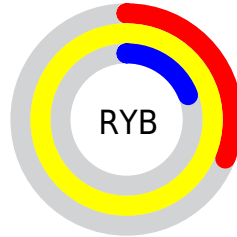
Distribution



Red (100%)

Green (90%)

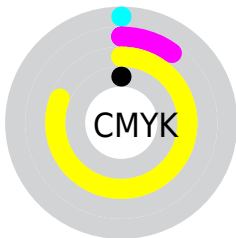
Blue (19%)



Red (31%)

Yellow (100%)

Blue (19%)

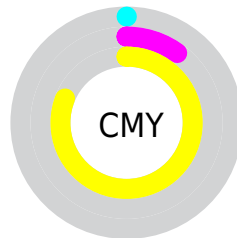


Cyan (0%)

Magenta (10%)

Yellow (81%)

Black (0%)



Cyan (0%)


Magenta (10%)


Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 69.7928, 77.5120, 14.0791 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 69.7928, 77.5120, 14.0791 by changing the saturation by 10% instead.


 69.7928, 77.5120,
14.0791

 69.7928, 77.5120,
14.0791


449.0999,
486.5079, 229.1679


 51.6366, 57.6732,
8.0363


 117.9411,
129.8620, 33.9485


 36.9386, 41.5460,
4.0301


 148.6639,
163.1419, 48.6121


 25.3334, 28.7459,
1.6419


 184.3064,
201.6710, 66.9865

 16.4557, 18.8887,
0.3204

 225.2338,
245.8337, 89.4901

 9.9401, 11.5899,
0.0000

 271.8115,
296.0143, 116.5415

 5.4212, 6.4651,
0.0000

324.4048,

 2.5337, 3.1299,

352.5973, 148.5593

0.0000

383.3792,
415.9671, 185.9619

■ 0.9123, 1.1999,
0.0000

■ 0.0000, 0.0616,
0.0000

■ 69.7928, 77.5120,
14.0791

■ 69.7928, 77.5120,
14.0791

■ 68.5328, 75.6063,
11.7664


■ 71.3747, 79.5786,
17.9904


■ 67.6216, 74.0236,
10.7239

■ 73.3183, 81.8131,
23.7336

■ 75.6633, 84.2346,
31.5087

■ 78.4425, 86.8564,
41.4881

 81.6852, 89.6902,
53.8261

 85.4181, 92.7470,
68.6630

 89.6659, 96.0367,
86.1283

94.4516, 99.5686,
106.3422

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.



91.3765, 77.5120, 17.1903



69.7928, 77.5120, 14.0791



52.7500, 77.5120, 21.4116

Triad

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



69.7928, 77.5120, 14.0791



45.7607, 77.5120, 170.2176



116.3846, 77.5120, 140.8150

Complementary

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



69.7928, 77.5120, 14.0791



21.7180, 12.7462, 95.9226

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.



99.5045, 77.5120, 215.5679



69.7928, 77.5120, 14.0791



58.4176, 77.5120, 237.4054

Square

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



69.7928, 77.5120, 14.0791



40.6499, 77.5120, 96.2235



77.6941, 77.5120, 257.0358



120.9866, 77.5120, 73.5822

Rectangle

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



69.7928, 77.5120, 14.0791



45.3679, 77.5120, 34.9383



77.6941, 77.5120, 257.0358



111.8212, 77.5120, 166.7097

Sweetspot

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



69.7946, 77.5157, 14.0807



84.3123, 91.8604, 64.2083



43.5879, 23.8908, 9.0801



17.7602, 19.4281, 12.6044



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.



69.7946, 77.5157, 14.0807



67.9214, 74.5556, 11.0305



54.9075, 81.3289, 15.6013



19.3551, 20.6784, 19.1155



35.4105, 38.8322, 5.6290



3.5000, 3.8853, 0.5655

Inverse Universe

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



21.7180, 12.7462, 95.9226



18.8618, 8.7015, 95.2932



27.4056, 13.6125, 95.7901



17.1868, 17.7452, 22.7693



9.7585, 4.4265, 49.7747



1.0052, 0.5411, 4.8647

Previews

White Background



This preview shows how the XYZ color 69.7928, 77.5120, 14.0791 looks on a white background.

Color Contrast Check

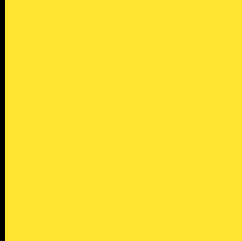
Large Text (above 18pt) WCAG AA × Fail

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 69.7928, 77.5120, 14.0791 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 69.7928, 77.5120, 14.0791

Background



This preview shows how black text looks on a background with the XYZ color 69.7928, 77.5120, 14.0791.



This preview shows how white text looks on a background with the XYZ color 69.7928, 77.5120,

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

69.7928, 77.5120, 14.0791

Protanopia

70.2194, 77.2412, 17.6867

Deuteranopia

75.8659, 77.3306, 54.1078



Tritanopia

80.7144, 77.5802, 84.8491

Trichromacy



Original Color

69.7928, 77.5120, 14.0791

Protanomaly

69.9375, 77.1285, 16.2022

Deuteranomaly

72.3301, 76.7764, 32.8369

Tritanomaly

74.2385, 76.6797, 45.5382

Monochromacy



Original Color

69.7928, 77.5120, 14.0791

Achromatopsia

65.2694, 68.6685, 74.7800

Achromatomaly

64.4060, 70.9025, 41.3013

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.7928, 77.5120, 14.0791 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, 48)` looks like.

```
.text, #text, p{  
    color:rgb(255, 229, 48)  
}
```

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, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 229, 48) }
```

Border

The CSS property to change the border of an element to XYZ 69.7928, 77.5120, 14.0791 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, 48) }
```


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

```
.border{ border-color:rgb(255, 229, 48) }
```

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, 48)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 229, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 229, 48);  
box-shadow:4px 4px 4px 4px rgb(255, 229,  
48) }
```

Background

The CSS property to change the background color of an element to XYZ 69.7928, 77.5120, 14.0791 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, 48) }
```

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

```
.background{ background-color: rgb(255,  
229, 48) }
```

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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