

Converting Colors

XYZ(69.8468, 77.5141, 14.3964)

Have a look what the booklet for
XYZ(69.8468, 77.5141, 14.3964)
contains.

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Color

**XYZ(69.8569, 77.5376,
14.4164)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE533
RGB	255, 229, 51
RGB Percent	100%, 90%, 20%
CMY	0.0000, 0.1019, 0.8000
CMYK	0.00, 0.10, 0.80, 0.00
HSL	52°, 100%, 60%
HSV	52°, 80%, 100%
XYZ	69.8569, 77.5376, 14.4164
YIQ	216.4820, 72.6340, -49.8460

Conversions

Conversions Part 2

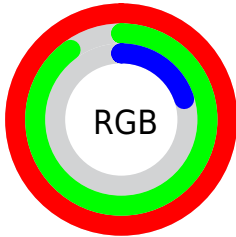
Format	Color
R _Y B	81, 255, 51
Decimal	16770355
CIE Lab	90.57, -8.12, 81.80
CIE LCh	91, 82.205, 95.670
Yxy	77.5376, 0.4317, 0.4792
Android (android.graphics.Color)	4294960435 (0xFFFFE533)
YUV	216.4820, -81.5826, 33.7803
Hunter-Lab	88.0554, -12.4879, 51.9319

Details

The XYZ color **69.8569, 77.5376, 14.4164** 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 **22.0695, 13.2319, 95.9980**, and the grayscale version is **66.1066, 69.5492, 75.7391**.

A 20% lighter version of the original color is **79.9806, 93.9723, 29.5458**, and **37.3842, 41.7414, 6.0865** is the 20% darker color. If you saturate the color by 10%, you get **68.5512, 75.5932, 11.9266**, and if you desaturate by 10%, it is **71.4907, 79.6462, 18.5358**.

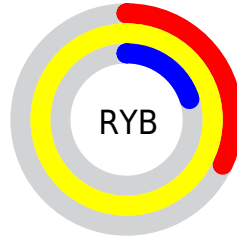
Distribution



Red (100%)

Green (90%)

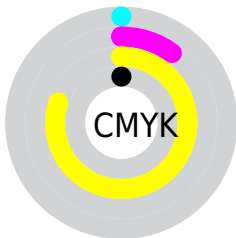
Blue (20%)



Red (32%)

Yellow (100%)

Blue (20%)

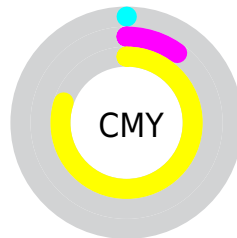


Cyan (0%)

Magenta (10%)

Yellow (80%)

Black (0%)



Cyan (0%)

Magenta (10%)

Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.8569, 77.5376, 14.4164 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 69.8569, 77.5376, 14.4164 by changing the saturation by 10% instead.

69.8569, 77.5376,
14.4164

69.8569, 77.5376,
14.4164

449.3217,
486.5950, 231.3239

51.6891, 57.6942,
8.2688

118.0320,
129.8981, 34.5538

36.9806, 41.5629,
4.1772

148.7701,
163.1840, 49.3806

25.3660, 28.7592,
1.7230

184.4288,
201.7195, 67.9376

16.4802, 18.8987,
0.3765

225.3737,
245.8890, 90.6433

9.9576, 11.5971,
0.0000

271.9701,
296.0769, 117.9162

5.4329, 6.4700,
0.0000

324.5833,

2.5408, 3.1329,

352.6676, 150.1750

0.0000

383.5787,
416.0455, 187.8380

■ 0.9159, 1.2015,
0.0000

■ 0.0000, 0.0629,
0.0000

■ 69.8569, 77.5376,
14.4164

■ 69.8569, 77.5376,
14.4164

■ 68.5512, 75.5932,
11.9266

■ 71.4907, 79.6462,
18.5358

■ 67.4963, 73.7729,
10.6824

■ 73.4916, 81.9257,
24.5123

■ 67.4960, 73.7723,
10.6821

■ 75.8984, 84.3947,
32.5423

■ 78.7434, 87.0665,
42.7958

■ 82.0557, 89.9526,
55.4252

■ 85.8618, 93.0638,
70.5695

■ 90.1860, 96.4101,
88.3568

95.0498, 99.9999,
108.9000

Harmonies

Analogous

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



91.2298, 77.5376, 17.5459



69.8569, 77.5376, 14.4164



52.9493, 77.5376, 21.7742

Triad

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



69.8569, 77.5376, 14.4164



46.0004, 77.5376, 169.2381



115.9481, 77.5376, 140.2447

Complementary

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



69.8569, 77.5376, 14.4164



22.0695, 13.2319, 95.9980

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.



99.2603, 77.5376, 213.9946



69.8569, 77.5376, 14.4164



58.5683, 77.5376, 235.4884

Square

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



69.8569, 77.5376, 14.4164



40.9197, 77.5376, 96.1224



77.6756, 77.5376, 254.8390



120.4980, 77.5376, 73.7178

Rectangle

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



69.8569, 77.5376, 14.4164



45.6140, 77.5376, 35.2880



77.6756, 77.5376, 254.8390



111.4378, 77.5376, 165.8114

Sweetspot

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



69.8587, 77.5413, 14.4180



84.2777, 91.7911, 64.1968



43.8066, 24.1813, 9.6053



17.7517, 19.4112, 12.6016



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.



69.8587, 77.5413, 14.4180



67.8998, 74.4902, 11.0922



55.2271, 81.4863, 15.9506



19.3521, 20.6724, 19.1145



35.3457, 38.7026, 5.6074



3.4943, 3.8739, 0.5636

Inverse Universe

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



22.0695, 13.2319, 95.9980



18.9843, 8.8990, 95.3248



27.8096, 14.0092, 95.8455



17.1895, 17.7506, 22.7702



9.7658, 4.4412, 49.7771



1.0065, 0.5437, 4.8652

Previews

White Background



This preview shows how the XYZ color 69.8569, 77.5376, 14.4164 looks on a white background.

Color Contrast Check

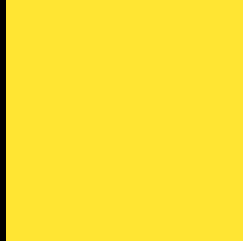
Large Text (above 18pt) WCAG AA × Fail

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 69.8569, 77.5376, 14.4164 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 69.8569, 77.5376, 14.4164

Background



This preview shows how black text looks on a background with the XYZ color 69.8569, 77.5376, 14.4164.



This preview shows how white text looks on a background with the XYZ color 69.8569, 77.5376,

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

69.8569, 77.5376, 14.4164

Protanopia

70.2534, 77.2548, 17.8655

Deuteranopia

75.8659, 77.3306, 54.1078



Tritanopia

80.7144, 77.5802, 84.8491

Trichromacy



Original Color

69.8569, 77.5376, 14.4164

Protanomaly

69.9668, 77.1402, 16.3562

Deuteranomaly

72.3989, 76.8039, 33.1991

Tritanomaly

74.3285, 76.7157, 46.0120

Monochromacy



Original Color

69.8569, 77.5376, 14.4164

Achromatopsia

65.2694, 68.6685, 74.7800

Achromatomaly

64.4903, 70.9362, 41.7455

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.8569, 77.5376, 14.4164 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, 51)` looks like.

```
.text, #text, p{  
    color:rgb(255, 229, 51)  
}
```

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, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 229, 51) }
```

Border

The CSS property to change the border of an element to XYZ 69.8569, 77.5376, 14.4164 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, 51) }
```


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

```
.border{ border-color:rgb(255, 229, 51) }
```

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, 51) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 229, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 229, 51);  
box-shadow:4px 4px 4px 4px rgb(255, 229,  
51) }
```

Background

The CSS property to change the background color of an element to XYZ 69.8569, 77.5376, 14.4164 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, 51) }
```

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

```
.background{ background-color: rgb(255,  
229, 51) }
```

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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