

Converting Colors

XYZ(69.3927, 76.6093, 14.2617)

Have a look what the booklet for
XYZ(69.3927, 76.6093, 14.2617)
contains.

XYZ(69.3066, 76.4372, 14.2330)	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(69.3066, 76.4372,
14.2330)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE333
RGB	255, 227, 51
RGB Percent	100%, 89%, 20%
CMY	0.0000, 0.1098, 0.8000
CMYK	0.00, 0.11, 0.80, 0.00
HSL	52°, 100%, 60%
HSV	52°, 80%, 100%
XYZ	69.3066, 76.4372, 14.2330
YIQ	215.3080, 73.1840, -48.8000

Conversions

Conversions Part 2

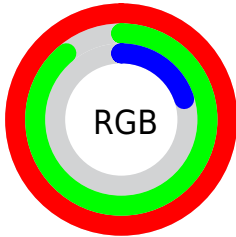
Format	Color
R _Y B	83, 255, 51
Decimal	16769843
CIE Lab	90.06, -7.13, 81.36
CIE LCh	90, 81.675, 95.005
Yxy	76.4372, 0.4332, 0.4778
Android (android.graphics.Color)	4294959923 (0xFFFFE333)
YUV	215.3080, -81.0038, 34.8099
Hunter-Lab	87.4284, -11.4983, 51.5477

Details

The XYZ color **69.3066, 76.4372, 14.2330** 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 **22.2115, 13.5160, 96.0451**, and the grayscale version is **65.2999, 68.7005, 74.8149**.

A 20% lighter version of the original color is **79.9806, 93.9723, 29.5458**, and **37.0007, 40.9744, 5.9587** is the 20% darker color. If you saturate the color by 10%, you get **67.9442, 74.3793, 11.7243**, and if you desaturate by 10%, it is **70.9997, 78.6644, 18.3721**.

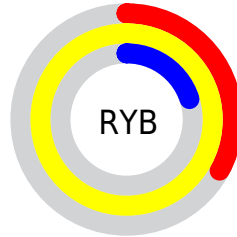
Distribution



Red (100%)

Green (89%)

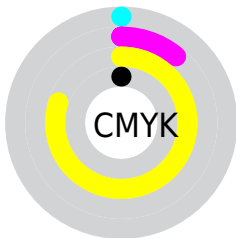
Blue (20%)



Red (33%)

Yellow (100%)

Blue (20%)

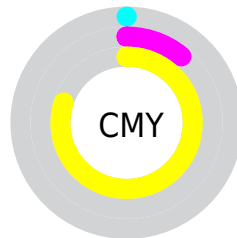


Cyan (0%)

Magenta (11%)

Yellow (80%)

Black (0%)



Cyan (0%)


Magenta (11%)


Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 69.3066, 76.4372, 14.2330 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 69.3066, 76.4372, 14.2330 by changing the saturation by 10% instead.


 69.3066, 76.4372,
14.2330

 69.3066, 76.4372,
14.2330


447.4161,
482.8430, 230.1542


 51.2390, 56.7911,
8.1423


 117.2511,
128.3447, 34.2249


 36.6207, 40.8375,
4.0971


 147.8586,
161.3749, 48.9633


 25.0862, 28.1922,
1.6787


 183.3769,
199.6353, 67.4212

 16.2704, 18.4706,
0.3461

 224.1712,
243.5101, 90.0173

 9.8078, 11.2884,
0.0000

 270.6069,
293.3840, 117.1701

 5.3330, 6.2611,
0.0000

323.0494,

 2.4807, 3.0045,

349.6411, 149.2982

0.0000

381.8640,
412.6660, 186.8200

■ 0.8855, 1.1341,
0.0000

■ 0.0000, 0.0069,
0.0000

■ 69.3066, 76.4372,
14.2330

■ 69.3066, 76.4372,
14.2330

■ 67.9442, 74.3793,
11.7243

■ 70.9997, 78.6644,
18.3721

■ 66.8351, 72.4507,
10.4620

■ 73.0626, 81.0679,
24.3693

■ 66.8348, 72.4501,
10.4617

■ 75.5340, 83.6663,
32.4208

■ 78.4464, 86.4727,
42.6967

■ 81.8288, 89.4989,
55.3494

■ 85.7076, 92.7558,
70.5179

■ 90.1074, 96.2532,
88.3303

95.0496, 99.9998,
108.9000

Harmonies

Analogous

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



90.3774, 76.4372, 17.5482



69.3066, 76.4372, 14.2330



52.5251, 76.4372, 21.2256

Triad

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



69.3066, 76.4372, 14.2330



45.1964, 76.4372, 164.9898



113.9662, 76.4372, 139.7987

Complementary

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



69.3066, 76.4372, 14.2330



22.2115, 13.5160, 96.0451

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.



97.3560, 76.4372, 212.0630



69.3066, 76.4372, 14.2330



57.4091, 76.4372, 230.7369

Square

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



69.3066, 76.4372, 14.2330



40.3552, 76.4372, 93.3409



76.1018, 76.4372, 251.0786



118.7546, 76.4372, 73.8716

Rectangle

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



69.3066, 76.4372, 14.2330



45.1933, 76.4372, 34.2552



76.1018, 76.4372, 251.0786



109.4463, 76.4372, 164.9629

Sweetspot

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



69.3083, 76.4409, 14.2345



84.0943, 91.4244, 64.1357



43.9319, 24.2314, 10.2661



17.7069, 19.3216, 12.5866



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.



69.3083, 76.4409, 14.2345



67.2602, 73.2110, 10.8790



56.0294, 81.8998, 15.9881



19.3362, 20.6405, 19.1092



35.0050, 38.0213, 5.4939



3.4644, 3.8142, 0.5536

Inverse Universe

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



22.2115, 13.5160, 96.0451



19.0706, 9.0717, 95.3536



27.3175, 13.7555, 95.8222



17.2040, 17.7796, 22.7750



9.8063, 4.5222, 49.7906



1.0133, 0.5572, 4.8674

Previews

White Background



This preview shows how the XYZ color 69.3066, 76.4372, 14.2330 looks on a white background.

Color Contrast Check

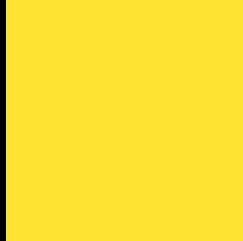
Large Text (above 18pt) WCAG AA × Fail

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 69.3066, 76.4372, 14.2330 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 69.3066, 76.4372, 14.2330

Background



This preview shows how black text looks on a background with the XYZ color 69.3066, 76.4372, 14.2330.



This preview shows how white text looks on a background with the XYZ color 69.3066, 76.4372,

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

69.3066, 76.4372, 14.2330

Protanopia

69.3066, 76.4372, 14.2330

Deuteranopia

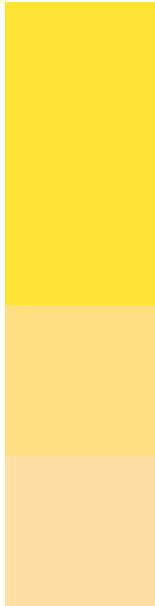
74.8343, 76.0680, 51.2958



Tritanopia

79.9180, 76.4318, 83.2137

Trichromacy



Original Color

69.3066, 76.4372, 14.2330

Protanomaly

69.3066, 76.4372, 14.2330

Deuteranomaly

71.6569, 75.6471, 31.9437

Tritanomaly

73.7073, 75.6172, 45.3611

Monochromacy



Original Color

69.3066, 76.4372, 14.2330

Achromatopsia

64.5905, 67.9542, 74.0022

Achromatomaly

63.8810, 69.8526, 41.1264

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.3066, 76.4372, 14.2330 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, 51)` looks like.

```
.text, #text, p{  
    color:rgb(255, 227, 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, 227, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 227, 51) }
```

Border

The CSS property to change the border of an element to XYZ 69.3066, 76.4372, 14.2330 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, 51) }
```


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

```
.border{ border-color:rgb(255, 227, 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, 227, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 227, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 227, 51);  
box-shadow:4px 4px 4px 4px rgb(255, 227,  
51) }
```

Background

The CSS property to change the background color of an element to XYZ 69.3066, 76.4372, 14.2330 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, 51) }
```

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

```
.background{ background-color: rgb(255,  
227, 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](#).

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