

# Converting Colors

XYZ(77.0338, 92.7935, 14.0278)

Have a look what the booklet for  
XYZ(77.0338, 92.7935, 14.0278)  
contains.

<b>XYZ(77.0329, 92.7931, 14.0231)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# **Color**

**XYZ(77.0329, 92.7931,  
14.0231)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFFF06
RGB	255, 255, 6
RGB Percent	100%, 100%, 2%
CMY	0.0000, 0.0000, 0.9763
CMYK	0.00, 0.00, 0.98, 0.00
HSL	60°, 100%, 51%
HSV	60°, 98%, 100%
XYZ	77.0329, 92.7931, 14.0231
YIQ	226.6140, 79.9290, -77.4390

# Conversions

## Conversions Part 2

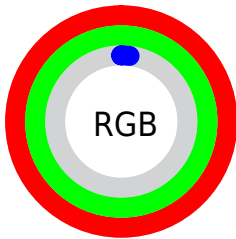
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">6, 255, 6</a>
Decimal	<a href="#">16776966</a>
CIELab	<a href="#">97.14, -21.51, 94.07</a>
CIELCh	<a href="#">97, 96.503, 102.881</a>
Yxy	<a href="#">92.7931, 0.4190, 0.5047</a>
Android (android.graphics.Color)	<a href="#">4294967046</a> ( <a href="#">0xFFFFFFFF06</a> )
YUV	<a href="#">226.6140, -108.7627, 24.8945</a>
Hunter-Lab	<a href="#">96.3292, -25.8325, 58.7993</a>

# Details

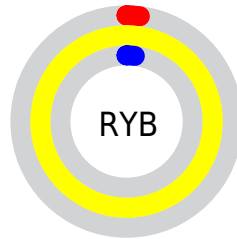
The XYZ color **77.0329, 92.7931, 14.0231** is a light color, and the websafe version is hex **FFFF00**. The color can be described as light saturated yellow. A complement of this color would be **18.1912, 7.3901, 95.0754**, and the grayscale version is **73.4602, 77.2858, 84.1642**.

A 20% lighter version of the original color is **79.1577, 93.6431, 25.2121**, and **42.4157, 52.1843, 7.8370** is the 20% darker color. If you saturate the color by 10%, you get **76.9997, 92.7799, 13.8500**, and if you desaturate by 10%, it is **77.2543, 92.8817, 15.1902**.

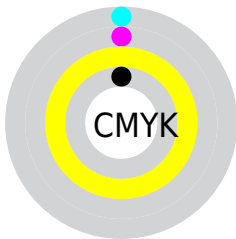
# Distribution



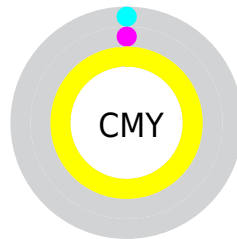
- Red (100%)
- Green (100%)
- Blue (2%)



- Red (2%)
- Yellow (100%)
- Blue (2%)



- Cyan (0%)
- Magenta (0%)
- Yellow (98%)
- Black (0%)




- Cyan (0%)
- Magenta (0%)
- Yellow (98%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 77.0329, 92.7931, 14.0231 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 77.0329, 92.7931, 14.0231 by changing the saturation by 10% instead.





 77.0329, 92.7931,  
14.0231


 77.0329, 92.7931,  
14.0231


473.7664,  
537.0754, 228.8079

 57.5799, 70.2995,  
7.9978


 128.1585,  
151.2121, 33.8477

 41.7130, 51.7708,  
4.0058


 160.5618,  
187.9064, 48.4841


 29.0667, 36.8224,  
1.6285


 198.0127,  
230.1030, 66.8280

 19.2758, 25.0700,  
0.3110

 240.8763,  
278.1864, 89.2978

 11.9749, 16.1292,  
0.0000

 289.5181,  
332.5410, 116.3122

 6.7987, 9.6156,  
0.0000

 344.3035,

 3.3817, 5.1449,

393.5510, 148.2897

0.0000

405.5978,  
461.6011, 185.6487

■ 1.3587, 2.3325,  
0.0000

■ 0.2265, 0.7908,  
0.0000

■ 77.0329, 92.7931,  
14.0231

■ 77.0329, 92.7931,  
14.0231

■ 76.9997, 92.7799,  
13.8500

■ 77.2543, 92.8817,  
15.1902

■ 77.7393, 93.0757,  
17.7444

■ 78.5435, 93.3974,  
21.9788

■ 79.7088, 93.8635,  
28.1151

■ 81.2710, 94.4884,  
36.3414

■ 83.2615, 95.2846,  
46.8229

■ 85.7085, 96.2634,  
59.7086

■ 88.6379, 97.4352,  
75.1346

■ 92.0737, 98.8095,  
93.2269

# Harmonies

## Analogous

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



104.5241, 92.7931, 14.8067



77.0329, 92.7931, 14.0231



57.1516, 92.7931, 26.1769

# Triad

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



77.0329, 92.7931, 14.0231



55.1256, 92.7931, 241.2717



148.2931, 92.7931, 151.9139

# Complementary

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



77.0329, 92.7931, 14.0231



18.1912, 7.3901, 95.0754

# 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.



128.8370, 92.7931, 255.5550



77.0329, 92.7931, 14.0231



73.6654, 92.7931, 322.7652

# Square

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



77.0329, 92.7931, 14.0231



46.3701, 92.7931, 138.2837



100.3909, 92.7931, 329.0314



149.7148, 92.7931, 71.1605



# Rectangle

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



77.0329, 92.7931, 14.0231



49.3220, 92.7931, 46.9389



100.3909, 92.7931, 329.0314



143.4870, 92.7931, 185.9604

# Sweetspot

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



77.0328, 92.7931, 14.0243



85.3455, 96.1182, 57.7974



41.3387, 21.4044, 2.1261



18.0377, 20.4813, 11.1609



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.



77.0328, 92.7931, 14.0243



76.9997, 92.7799, 13.8500



45.0791, 76.3203, 12.5289



19.5613, 21.0908, 19.1843



40.2340, 48.4795, 7.2369



3.9174, 4.7203, 0.7046



# Inverse Universe

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



18.1912, 7.3901, 95.0754



18.0500, 7.2200, 95.0500



27.4015, 12.1382, 95.5064



17.0031, 17.3778, 22.7080



9.4315, 3.7726, 49.6657

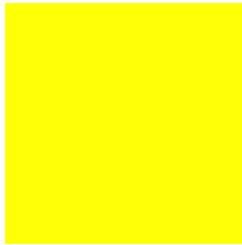


0.9183, 0.3673, 4.8358



# Previews

## White Background



This preview shows how the XYZ color 77.0329, 92.7931, 14.0231 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

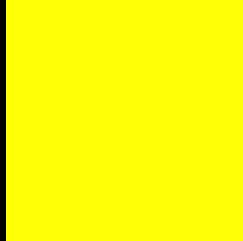
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 77.0329, 92.7931, 14.0231 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 77.0329, 92.7931, 14.0231**

## **Background**



This preview shows how black text looks on a background with the XYZ color 77.0329, 92.7931, 14.0231.



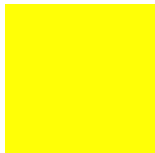
This preview shows how white text looks on a background with the XYZ color 77.0329, 92.7931,



# 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



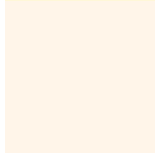
### Original Color

77.0329, 92.7931, 14.0231



### Protanopia

86.8954, 92.7394, 78.2864



### Deuteranopia

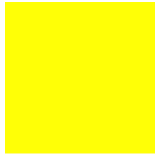
88.6004, 92.4480, 90.2653



## **Tritanopia**

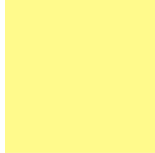
90.6896, 92.8009, 102.7550

# Trichromacy



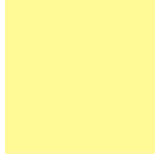
## Original Color

77.0329, 92.7931, 14.0231



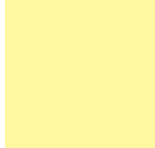
## Protanomaly

80.1592, 91.5247, 38.2521



## Deuteranomaly

80.6207, 91.2134, 42.2109



## Tritanomaly

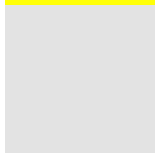
81.2404, 90.9680, 46.9950

# Monochromacy



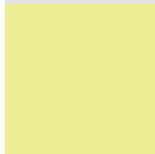
## Original Color

77.0329, 92.7931, 14.0231



## Achromatopsia

73.0128, 76.8151, 83.6517



## Achromatomaly

70.4757, 80.6795, 39.4620

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 77.0329, 92.7931, 14.0231 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, 255, 6)` looks like.

```
.text, #text, p{  
    color:rgb(255, 255, 6)  
}
```

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, 255, 6) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 255, 6) }
```

## Border

The CSS property to change the border of an element to XYZ 77.0329, 92.7931, 14.0231 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, 255, 6) }
```



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

```
.border{ border-color:rgb(255, 255, 6) }
```

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

Here you see how a box with a 4 pixel rgb(255, 255, 6) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 255, 6); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 255, 6);  
box-shadow:4px 4px 4px 4px rgb(255, 255,  
6) }
```

# Background

The CSS property to change the background color of an element to XYZ 77.0329, 92.7931, 14.0231 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 255, 6) }
```

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

```
.background{ background-color: rgb(255,  
255, 6) }
```

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