

# Converting Colors

XYZ(77.0780, 92.8112, 14.2607)

Have a look what the booklet for  
XYZ(77.0780, 92.8112, 14.2607)  
contains.

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# Color

**XYZ(77.0793, 92.8117,  
14.2674)**

# Conversions

## Conversions Part 1

| Format      | Color                       |
|-------------|-----------------------------|
| Hex         | FFFF0E                      |
| RGB         | 255, 255, 14                |
| RGB Percent | 100%, 100%, 5%              |
| CMY         | 0.0000, 0.0000, 0.9450      |
| CMYK        | 0.00, 0.00, 0.94, 0.00      |
| HSL         | 60°, 100%, 53%              |
| HSV         | 60°, 94%, 100%              |
| XYZ         | 77.0793, 92.8117, 14.2674   |
| YIQ         | 227.5260, 77.3610, -74.9510 |

# Conversions

## Conversions Part 2

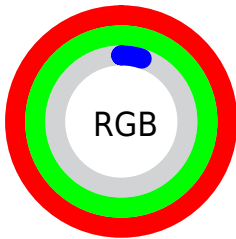
| Format                              | Color                           |
|-------------------------------------|---------------------------------|
| R <sub>Y</sub> B                    | 14, 255, 14                     |
| Decimal                             | 16776974                        |
| CIE Lab                             | 97.15, -21.45, 93.50            |
| CIE LCh                             | 97, 95.933, 102.921             |
| Yxy                                 | 92.8117, 0.4185,<br>0.5040      |
| Android<br>(android.graphics.Color) | 4294967054<br>(0xFFFFFFFF0E)    |
| YUV                                 | 227.5260, -105.2683,<br>24.0947 |
| Hunter-Lab                          | 96.3388, -25.7777,<br>58.6566   |

# Details

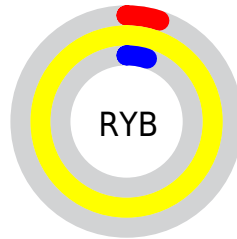
The XYZ color **77.0793, 92.8117, 14.2674** is a light color, and the websafe version is hex **FFFF00**. The color can be described as light saturated yellow. A complement of this color would be **18.3891, 7.6286, 95.1110**, and the grayscale version is **74.1032, 77.9623, 84.9010**.

A 20% lighter version of the original color is **79.2521, 93.6809, 25.7096**, and **42.4157, 52.1843, 7.8370** is the 20% darker color. If you saturate the color by 10%, you get **76.9997, 92.7798, 13.8500**, and if you desaturate by 10%, it is **77.3748, 92.9299, 15.8252**.

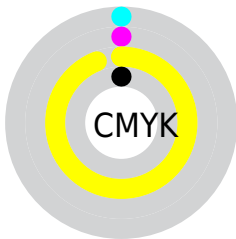
# Distribution



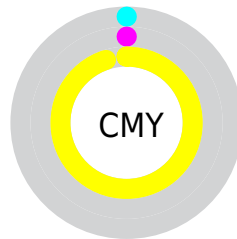
- Red (100%)
- Green (100%)
- Blue (5%)



- Red (5%)
- Yellow (100%)
- Blue (5%)



- Cyan (0%)
- Magenta (0%)
- Yellow (94%)
- Black (0%)



- Cyan (0%)
- Magenta (0%)
- Yellow (95%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 77.0793, 92.8117, 14.2674 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 77.0793, 92.8117, 14.2674 by changing the saturation by 10% instead.



77.0793, 92.8117,  
14.2674

77.0793, 92.8117,  
14.2674

473.9222,  
537.1354, 230.3740

57.6181, 70.3150,  
8.1660

128.2237,  
151.2379, 34.2867

41.7438, 51.7834,  
4.1121

160.6376,  
187.9362, 49.0416

29.0909, 36.8324,  
1.6870

198.0997,  
230.1371, 67.5182

19.2943, 25.0778,  
0.3518

240.9755,  
278.2251, 90.1349

11.9884, 16.1350,  
0.0000

289.6303,  
332.5845, 117.3103

6.8079, 9.6197,  
0.0000

344.4294,

3.3875, 5.1476,

393.5998, 149.4629

0.0000

405.7383,  
461.6553, 187.0113

■ 1.3618, 2.3341,  
0.0000

■ 0.2288, 0.7917,  
0.0000

■ 77.0793, 92.8117,  
14.2674

■ 77.0793, 92.8117,  
14.2674


■ 76.9997, 92.7798,  
13.8500


■ 77.3748, 92.9299,  
15.8252


■ 77.9549, 93.1619,  
18.8794


■ 78.8680, 93.5272,  
23.6879


■ 80.1541, 94.0416,  
30.4602

 81.8473, 94.7189,  
39.3764

 83.9780, 95.5712,  
50.5960

 86.5735, 96.6094,  
64.2637

 89.6591, 97.8436,  
80.5122

 93.2582, 99.2833,  
99.4647

# Harmonies

## Analogous

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



104.4028, 92.8117, 15.0400



77.0793, 92.8117, 14.2674



57.3022, 92.8117, 26.4788

# Triad

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



77.0793, 92.8117, 14.2674



55.3224, 92.8117, 240.3710



147.9163, 92.8117, 151.4673

# Complementary

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



77.0793, 92.8117, 14.2674



18.3891, 7.6286, 95.1110

# 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.



128.6239, 92.8117, 254.2586



77.0793, 92.8117, 14.2674



73.7929, 92.8117, 321.0454

# Square

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



77.0793, 92.8117, 14.2674



46.5834, 92.8117, 138.1918



100.3741, 92.8117, 327.1333



149.3002, 92.8117, 71.2516



# Rectangle

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



77.0793, 92.8117, 14.2674



49.5095, 92.8117, 47.2497



100.3741, 92.8117, 327.1333



143.1545, 92.8117, 185.2456

# Sweetspot

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



77.0792, 92.8116, 14.2686



85.6098, 96.2239, 59.1888



41.4770, 21.6067, 2.4011



18.0873, 20.5012, 11.4222



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.



77.0792, 92.8116, 14.2686



76.9997, 92.7798, 13.8500



45.7535, 76.6627, 12.8025



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.



18.3891, 7.6286, 95.1110



18.0500, 7.2200, 95.0500



28.1215, 12.6458, 95.5665



17.0031, 17.3778, 22.7080



9.4315, 3.7726, 49.6657

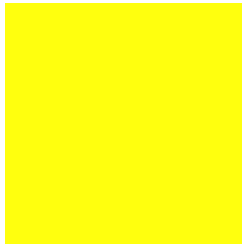


0.9183, 0.3673, 4.8358



# Previews

## White Background



This preview shows how the XYZ color 77.0793, 92.8117, 14.2674 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

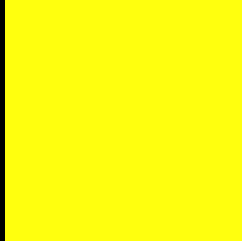
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 77.0793, 92.8117, 14.2674 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 77.0793, 92.8117, 14.2674**

## **Background**



This preview shows how black text looks on a background with the XYZ color 77.0793, 92.8117, 14.2674.



This preview shows how white text looks on a background with the XYZ color 77.0793, 92.8117,



# 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

77.0793, 92.8117, 14.2674



### Protanopia

86.8954, 92.7394, 78.2864



### Deuteranopia

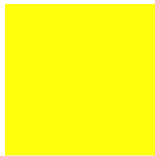
88.7437, 92.5053, 91.0199



## Tritanopia

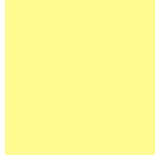
90.8460, 92.8635, 103.5788

# Trichromacy



## Original Color

77.0793, 92.8117, 14.2674



## Protanomaly

80.3835, 91.6144, 39.4333



## Deuteranomaly

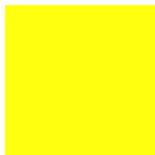
80.9484, 91.3445, 43.9367



## Tritanomaly

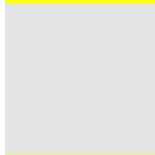
81.5082, 91.0751, 48.4053

# Monochromacy



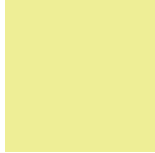
## Original Color

77.0793, 92.8117, 14.2674



## Achromatopsia

73.7419, 77.5822, 84.4870



## Achromatomaly

71.3395, 81.5282, 40.8307

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 77.0793, 92.8117, 14.2674 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, 14)` looks like.

```
.text, #text, p{  
    color:rgb(255, 255, 14)  
}
```

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, 14) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 255, 14) }
```

## Border

The CSS property to change the border of an element to XYZ 77.0793, 92.8117, 14.2674 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, 14) }
```



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

```
.border{ border-color:rgb(255, 255, 14) }
```

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, 14)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 255, 14); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 255, 14);  
box-shadow:4px 4px 4px 4px rgb(255, 255,  
14) }
```

# Background

The CSS property to change the background color of an element to XYZ 77.0793, 92.8117, 14.2674 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, 14) }
```

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

```
.background{ background-color: rgb(255,  
255, 14) }
```

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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