

Converting Colors

XYZ(76.7116, 92.4403, 13.8694)

Have a look what the booklet for
XYZ(76.7116, 92.4403, 13.8694)
contains.

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Color

**XYZ(77.0110, 92.7844,
13.9077)**

Conversions

Conversions Part 1

Format	Color
Hex	FFFF02
RGB	255, 255, 2
RGB Percent	100%, 100%, 1%
CMY	0.0000, 0.0000, 0.9920
CMYK	0.00, 0.00, 0.99, 0.00
HSL	60°, 100%, 50%
HSV	60°, 99%, 100%
XYZ	77.0110, 92.7844, 13.9077
YIQ	226.1580, 81.2130, -78.6830

Conversions

Conversions Part 2

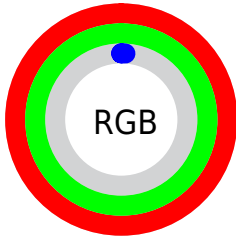
Format	Color
R_YB	2, 255, 2
Decimal	16776962
CIE _{Lab}	97.14, -21.54, 94.35
CIE _{LCh}	97, 96.774, 102.861
Yxy	92.7844, 0.4192, 0.5051
Android (android.graphics.Color)	4294967042 (0xFFFFFFFF02)
YUV	226.1580, -110.5099, 25.2944
Hunter-Lab	96.3247, -25.8585, 58.8668

Details

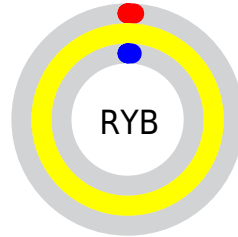
The XYZ color **77.0110, 92.7844, 13.9077** is a light color, and the websafe version is hex **FFFF00**. The color can be described as light saturated yellow. A complement of this color would be **18.0977, 7.2775, 95.0586**, and the grayscale version is **73.1395, 76.9484, 83.7968**.

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, 92.7798, 13.8500**, and if you desaturate by 10%, it is **77.2039, 92.8615, 14.9250**.

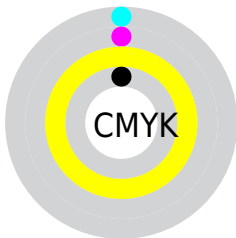
Distribution



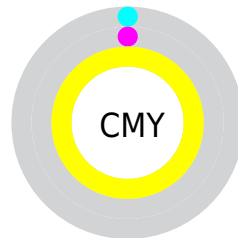
- Red (100%)
- Green (100%)
- Blue (1%)



- Red (1%)
- Yellow (100%)
- Blue (1%)



- Cyan (0%)
- Magenta (0%)
- Yellow (99%)
- Black (0%)



- Cyan (0%)
- Magenta (0%)
- Yellow (99%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.0110, 92.7844, 13.9077 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 77.0110, 92.7844, 13.9077 by changing the saturation by 10% instead.

77.0110, 92.7844,
13.9077

77.0110, 92.7844,
13.9077

473.6929,
537.0474, 228.0643

57.5619, 70.2923,
7.9185

128.1278,
151.2001, 33.6399

41.6984, 51.7649,
3.9558

160.5261,
187.8925, 48.2200

29.0553, 36.8177,
1.6011

197.9716,
230.0871, 66.5008

19.2671, 25.0664,
0.2916

240.8295,
278.1683, 88.9009

11.9686, 16.1265,
0.0000

289.4652,
332.5206, 115.8387

6.7944, 9.6137,
0.0000

344.2441,

3.3790, 5.1436,

393.5282, 147.7329

0.0000

405.5316,
461.5757, 185.0019

■ 1.3572, 2.3318,
0.0000

■ 0.2254, 0.7904,
0.0000

■ 77.0110, 92.7844,
13.9077

■ 77.0110, 92.7844,
13.9077

■ 76.9997, 92.7798,
13.8500

■ 77.2039, 92.8615,
14.9250

■ 77.6433, 93.0373,
17.2388

■ 78.3944, 93.3377,
21.1939

■ 79.5006, 93.7802,
27.0187

■ 80.9983, 94.3793,
34.9057

■ 82.9197, 95.1479,
45.0232

■ 85.2933, 96.0973,
57.5225

■ 88.1454, 97.2382,
72.5414

■ 91.5003, 98.5801,
90.2074

Harmonies

Analogous

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



104.5822, 92.7844, 14.6965



77.0110, 92.7844, 13.9077



57.0801, 92.7844, 26.0339

Triad

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



77.0110, 92.7844, 13.9077



55.0320, 92.7844, 241.7017



148.4731, 92.7844, 152.1275

Complementary

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



77.0110, 92.7844, 13.9077



18.0977, 7.2775, 95.0586

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.



128.9388, 92.7844, 256.1749



77.0110, 92.7844, 13.9077



73.6048, 92.7844, 323.5872

Square

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



77.0110, 92.7844, 13.9077



46.2688, 92.7844, 138.3274



100.3990, 92.7844, 329.9390



149.9129, 92.7844, 71.1174

Rectangle

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



77.0110, 92.7844, 13.9077



49.2330, 92.7844, 46.7912



100.3990, 92.7844, 329.9390



143.6458, 92.7844, 186.3022

Sweetspot

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



77.0109, 92.7843, 13.9089



85.0861, 96.0144, 56.4313



41.2733, 21.3088, 1.9963



17.9890, 20.4618, 10.9045



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.



77.0109, 92.7843, 13.9089



76.9997, 92.7798, 13.8500



44.7517, 76.1541, 12.3992



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.



18.0977, 7.2775, 95.0586



18.0500, 7.2200, 95.0500



27.0527, 11.8939, 95.4777



17.0031, 17.3778, 22.7080



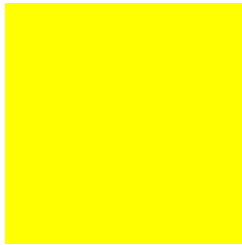
9.4315, 3.7726, 49.6657



0.9183, 0.3673, 4.8358

Previews

White Background



This preview shows how the XYZ color 77.0110, 92.7844, 13.9077 looks on a white background.

Color Contrast Check

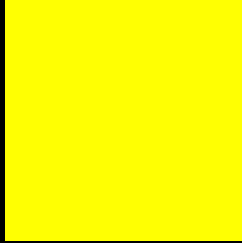
Large Text (above 18pt) WCAG AA × Fail

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 77.0110, 92.7844, 13.9077 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 77.0110, 92.7844, 13.9077

Background



This preview shows how black text looks on a background with the XYZ color 77.0110, 92.7844, 13.9077.

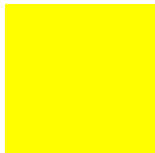


This preview shows how white text looks on a background with the XYZ color 77.0110, 92.7844,

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



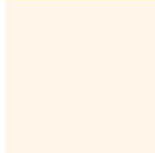
Original Color

77.0110, 92.7844, 13.9077



Protanopia

86.8954, 92.7394, 78.2864



Deuteranopia

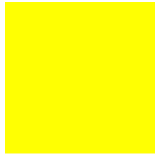
88.6004, 92.4480, 90.2653



Tritanopia

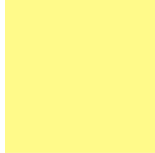
90.6896, 92.8009, 102.7550

Trichromacy



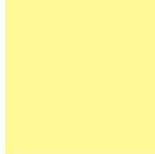
Original Color

77.0110, 92.7844, 13.9077



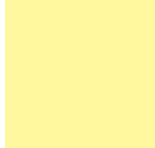
Protanomaly

80.0131, 91.4662, 37.4824



Deuteranomaly

80.5405, 91.1813, 41.7886



Tritanomaly

81.0654, 90.8980, 46.0734

Monochromacy



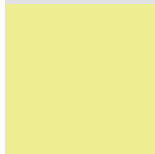
Original Color

77.0110, 92.7844, 13.9077



Achromatopsia

72.2879, 76.0525, 82.8211



Achromatomaly

70.3201, 80.6172, 38.6425

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.0110, 92.7844, 13.9077 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, 2)` looks like.

```
.text, #text, p{  
    color:rgb(255, 255, 2)  
}
```

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, 2) colored shadow looks like.

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

Border

The CSS property to change the border of an element to XYZ 77.0110, 92.7844, 13.9077 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, 2) }
```


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

```
.border{ border-color:rgb(255, 255, 2) }
```

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, 2) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 255, 2); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 255, 2);  
box-shadow:4px 4px 4px 4px rgb(255, 255,  
2) }
```

Background

The CSS property to change the background color of an element to XYZ 77.0110, 92.7844, 13.9077 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, 2) }
```

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

```
.background{ background-color: rgb(255,  
255, 2) }
```

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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