

Converting Colors

XYZ(77.2176, 92.8670, 14.9959)

Have a look what the booklet for
XYZ(77.2176, 92.8670, 14.9959)
contains.

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Color

**XYZ(77.2218, 92.8687,
15.0178)**

Conversions

Conversions Part 1

Format	Color
Hex	FFFF1D
RGB	255, 255, 29
RGB Percent	100%, 100%, 11%
CMY	0.0000, 0.0000, 0.8862
CMYK	0.00, 0.00, 0.89, 0.00
HSL	60°, 100%, 56%
HSV	60°, 89%, 100%
XYZ	77.2218, 92.8687, 15.0178
YIQ	229.2360, 72.5460, -70.2860

Conversions

Conversions Part 2

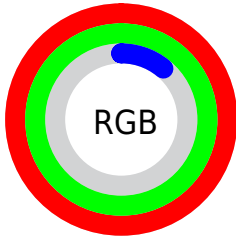
Format	Color
R _Y B	29, 255, 29
Decimal	16776989
CIE Lab	97.17, -21.26, 91.79
CIE LCh	97, 94.224, 103.043
Yxy	92.8687, 0.4172, 0.5017
Android (android.graphics.Color)	4294967069 (0xFFFFFFFF1D)
YUV	229.2360, -98.7163, 22.5950
Hunter-Lab	96.3684, -25.6093, 58.2183

Details

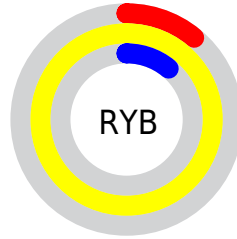
The XYZ color **77.2218, 92.8687, 15.0178** is a light color, and the websafe version is hex **FFFF00**. The color can be described as light washed yellow. A complement of this color would be **18.9970, 8.3611, 95.2203**, and the grayscale version is **75.3177, 79.2401, 86.2925**.

A 20% lighter version of the original color is **79.4987, 93.7795, 27.0079**, and **42.6716, 52.3162, 7.8490** is the 20% darker color. If you saturate the color by 10%, you get **77.0190, 92.7875, 13.9515**, and if you desaturate by 10%, it is **77.6778, 93.0511, 17.4207**.

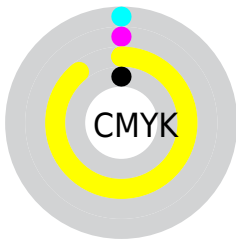
Distribution



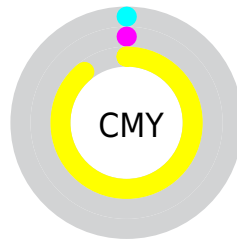
- Red (100%)
- Green (100%)
- Blue (11%)



- Red (11%)
- Yellow (100%)
- Blue (11%)



- Cyan (0%)
- Magenta (0%)
- Yellow (89%)
- Black (0%)



- Cyan (0%)
- Magenta (0%)
- Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.2218, 92.8687, 15.0178 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 77.2218, 92.8687, 15.0178 by changing the saturation by 10% instead.

77.2218, 92.8687,
15.0178

77.2218, 92.8687,
15.0178

474.4003,
537.3191, 235.1184

57.7355, 70.3624,
8.6851

128.4237,
151.3168, 35.6271

41.8385, 51.8220,
4.4424

160.8700,
188.0274, 50.7409

29.1654, 36.8632,
1.8710

198.3670,
230.2415, 69.6187

19.3509, 25.1016,
0.4742

241.2801,
278.3436, 92.6792

12.0296, 16.1528,
0.0000

289.9746,
332.7180, 120.3409

6.8362, 9.6323,
0.0000

344.8159,

3.4053, 5.1559,

393.7491, 153.0223

0.0000

406.1694,
461.8213, 191.1420

■ 1.3715, 2.3390,
0.0000

■ 0.2358, 0.7942,
0.0000

■ 77.2218, 92.8687,
15.0178

■ 77.2218, 92.8687,
15.0178

■ 77.0190, 92.7875,
13.9515


■ 77.6778, 93.0511,
17.4207


■ 76.9997, 92.7798,
13.8500


■ 78.4484, 93.3593,
21.4783


■ 79.5763, 93.8105,
27.4176

■ 81.0978, 94.4191,
35.4294

 83.0446, 95.1978,
45.6809

 85.4452, 96.1581,
58.3224

 88.3258, 97.3103,
73.4913

 91.7105, 98.6642,
91.3144

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



104.0431, 92.8687, 15.7559



77.2218, 92.8687, 15.0178



57.7582, 92.8687, 27.3977

Triad

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



77.2218, 92.8687, 15.0178



55.9160, 92.8687, 237.6740



146.7893, 92.8687, 150.1418

Complementary

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



77.2218, 92.8687, 15.0178



18.9970, 8.3611, 95.2203

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.



127.9846, 92.8687, 250.4034



77.2218, 92.8687, 15.0178



74.1756, 92.8687, 315.9171

Square

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



77.2218, 92.8687, 15.0178



47.2282, 92.8687, 137.9098



100.3223, 92.8687, 321.4845



148.0623, 92.8687, 71.5317

Rectangle

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



77.2218, 92.8687, 15.0178



50.0768, 92.8687, 48.1883



100.3223, 92.8687, 321.4845



142.1594, 92.8687, 183.1213

Sweetspot

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



77.2217, 92.8687, 15.0190



85.8788, 96.3315, 60.6056



41.9018, 22.2284, 3.2456



18.1892, 20.5420, 11.9590



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.



77.2217, 92.8687, 15.0190



76.9997, 92.7798, 13.8500



47.1388, 77.3604, 13.6111



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.



18.9970, 8.3611, 95.2203



18.0500, 7.2200, 95.0500



29.6466, 13.8512, 95.7187



17.0031, 17.3778, 22.7080



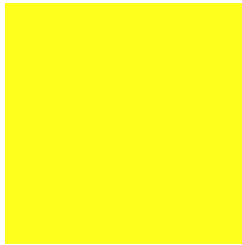
9.4315, 3.7726, 49.6657



0.9183, 0.3673, 4.8358

Previews

White Background



This preview shows how the XYZ color 77.2218, 92.8687, 15.0178 looks on a white background.

Color Contrast Check

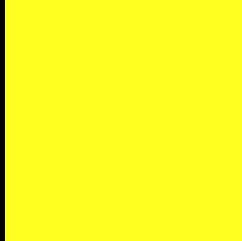
Large Text (above 18pt) WCAG AA × Fail

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 77.2218, 92.8687, 15.0178 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 77.2218, 92.8687, 15.0178

Background



This preview shows how black text looks on a background with the XYZ color 77.2218, 92.8687, 15.0178.



This preview shows how white text looks on a background with the XYZ color 77.2218, 92.8687,

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



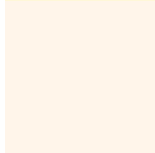
Original Color

77.2218, 92.8687, 15.0178



Protanopia

86.8954, 92.7394, 78.2864



Deuteranopia

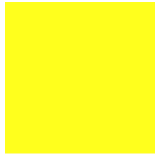
88.7437, 92.5053, 91.0199



Tritanopia

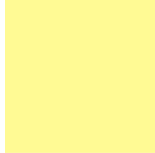
90.8460, 92.8635, 103.5788

Trichromacy



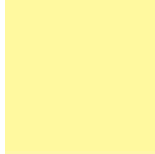
Original Color

77.2218, 92.8687, 15.0178



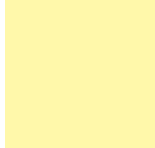
Protanomaly

80.7709, 91.7693, 41.4731



Deuteranomaly

81.3737, 91.5146, 46.1761



Tritanomaly

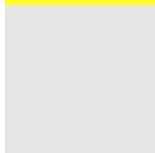
82.0631, 91.2971, 51.3271

Monochromacy



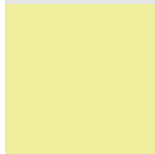
Original Color

77.2218, 92.8687, 15.0178



Achromatopsia

74.4753, 78.3538, 85.3273



Achromatomaly

71.8352, 81.7265, 43.4412

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.2218, 92.8687, 15.0178 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, 29)` looks like.

```
.text, #text, p{  
    color:rgb(255, 255, 29)  
}
```

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, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 255, 29) }
```

Border

The CSS property to change the border of an element to XYZ 77.2218, 92.8687, 15.0178 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, 29) }
```


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

```
.border{ border-color:rgb(255, 255, 29) }
```

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, 29)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 255, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 255, 29);  
box-shadow:4px 4px 4px 4px rgb(255, 255,  
29) }
```

Background

The CSS property to change the background color of an element to XYZ 77.2218, 92.8687, 15.0178 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, 29) }
```

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

```
.background{ background-color: rgb(255,  
255, 29) }
```

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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