

Converting Colors

XYZ(77.8928, 93.1371, 18.5515)

Have a look what the booklet for
XYZ(77.8928, 93.1371, 18.5515)
contains.

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Color

**XYZ(77.8972, 93.1389,
18.5746)**

Conversions

Conversions Part 1

Format	Color
Hex	FFFF3F
RGB	255, 255, 63
RGB Percent	100%, 100%, 25%
CMY	0.0000, 0.0000, 0.7529
CMYK	0.00, 0.00, 0.75, 0.00
HSL	60°, 100%, 62%
HSV	60°, 75%, 100%
XYZ	77.8972, 93.1389, 18.5746
YIQ	233.1120, 61.6320, -59.7120

Conversions

Conversions Part 2

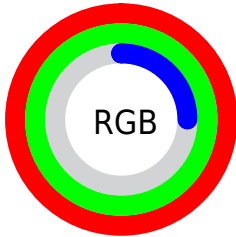
Format	Color
RYB	63, 255, 63
Decimal	16777023
CIELab	97.28, -20.38, 84.40
CIELCh	97, 86.821, 103.576
Yxy	93.1389, 0.4108, 0.4912
Android (android.graphics.Color)	4294967103 (0xFFFFFFFF3F)
YUV	233.1120, -83.8652, 19.1958
Hunter-Lab	96.5085, -24.8129, 56.1446

Details

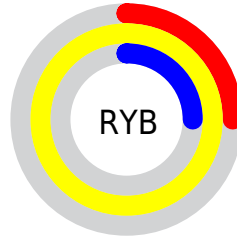
The XYZ color **77.8972, 93.1389, 18.5746** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **21.8784, 11.8329, 95.7386**, and the grayscale version is **78.1155, 82.1836, 89.4979**.

A 20% lighter version of the original color is **80.7017, 94.2607, 33.3427**, and **42.6716, 52.3162, 7.8490** is the 20% darker color. If you saturate the color by 10%, you get **77.3416, 92.9166, 15.6507**, and if you desaturate by 10%, it is **78.7823, 93.4929, 23.2369**.

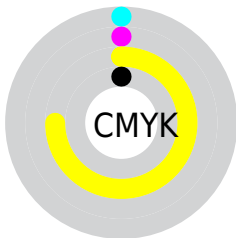
Distribution



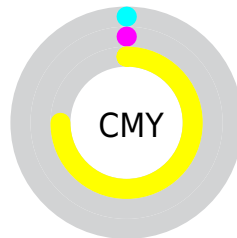
- Red (100%)
- Green (100%)
- Blue (25%)



- Red (25%)
- Yellow (100%)
- Blue (25%)



- Cyan (0%)
- Magenta (0%)
- Yellow (75%)
- Black (0%)




- Cyan (0%)
- Magenta (0%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 77.8972, 93.1389, 18.5746 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 77.8972, 93.1389, 18.5746 by changing the saturation by 10% instead.


 77.8972, 93.1389,
18.5746


 77.8972, 93.1389,
18.5746


476.6628,
538.1896, 256.4341

 58.2920, 70.5870,
11.1896


 129.3713,
151.6909, 41.8411


 42.2876, 52.0052,
6.0787


 161.9710,
188.4597, 58.5597


 29.5187, 37.0092,
2.8235


 199.6329,
230.7364, 79.2266

 19.6198, 25.2146,
1.0052

 242.7223,
278.9051, 104.2603

 12.2256, 16.2370,
0.0000

 291.6047,
333.3504, 134.0793

 6.9708, 9.6920,
0.0000

346.6453,

 3.4900, 5.1953,

394.4567, 169.1023

0.0000

408.2095,
462.6082, 209.7477

■ 1.4179, 2.3623,
0.0000

■ 0.2689, 0.8064,
0.0000

■ 77.8972, 93.1389,
18.5746

■ 77.8972, 93.1389,
18.5746

■ 77.3416, 92.9166,
15.6507

■ 78.7823, 93.4929,
23.2369

■ 77.0660, 92.8064,
14.1997

■ 80.0375, 93.9950,
29.8464

■ 76.9996, 92.7798,
13.8500

■ 81.6972, 94.6589,
38.5862

■ 83.7921, 95.4968,
49.6175

86.3498, 96.5199,
63.0859

89.3956, 97.7382,
79.1249

92.9532, 99.1613,
97.8583

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.



102.5594, 93.1389, 19.1412



77.8972, 93.1389, 18.5746



59.8017, 93.1389, 31.6023

Triad

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



77.8972, 93.1389, 18.5746



58.5334, 93.1389, 226.1169



141.9844, 93.1389, 144.6563

Complementary

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



77.8972, 93.1389, 18.5746



21.8784, 11.8329, 95.7386

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.



125.2289, 93.1389, 234.3241



77.8972, 93.1389, 18.5746



75.8345, 93.1389, 294.3031

Square

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



77.8972, 93.1389, 18.5746



50.1004, 93.1389, 136.5861



100.0796, 93.1389, 297.8559



142.8181, 93.1389, 72.8639

Rectangle

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



77.8972, 93.1389, 18.5746



52.6139, 93.1389, 52.3505



100.0796, 93.1389, 297.8559



137.9046, 93.1389, 174.2836

Sweetspot

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



77.8971, 93.1388, 18.5758



87.0036, 96.7814, 66.5288



43.9154, 25.1749, 7.2484



18.4042, 20.6279, 13.0910



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.



77.8971, 93.1388, 18.5758



77.1805, 92.8522, 14.8027



50.9563, 79.2503, 17.3150



19.5613, 21.0908, 19.1843



40.2339, 48.4794, 7.2369



3.9174, 4.7203, 0.7046

Inverse Universe

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



21.8784, 11.8329, 95.7386



18.8218, 8.1499, 95.1888



34.1268, 18.1472, 96.3118



17.0031, 17.3778, 22.7080



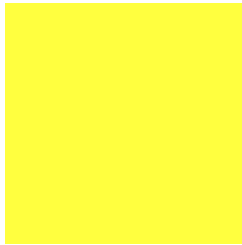
9.4315, 3.7726, 49.6657



0.9183, 0.3673, 4.8358

Previews

White Background



This preview shows how the XYZ color 77.8972, 93.1389, 18.5746 looks on a white background.

Color Contrast Check

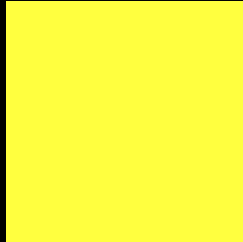
Large Text (above 18pt) WCAG AA × Fail

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 77.8972, 93.1389, 18.5746 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 77.8972, 93.1389, 18.5746

Background



This preview shows how black text looks on a background with the XYZ color 77.8972, 93.1389, 18.5746.



This preview shows how white text looks on a background with the XYZ color 77.8972, 93.1389,

Color Blindness Simulation

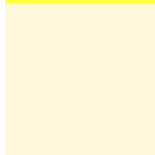
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



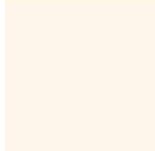
Original Color

77.8972, 93.1389, 18.5746



Protanopia

87.1557, 92.8435, 79.6567



Deuteranopia

89.1912, 93.1697, 91.8799



Tritanopia

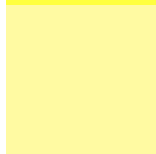
90.8460, 92.8635, 103.5788

Trichromacy



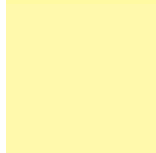
Original Color

77.8972, 93.1389, 18.5746



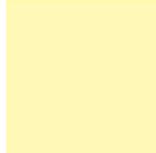
Protanomaly

81.9472, 92.2398, 47.6674



Deuteranomaly

82.5621, 91.9899, 52.4341



Tritanomaly

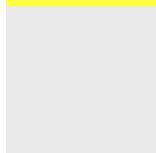
83.2509, 91.7722, 57.5820

Monochromacy



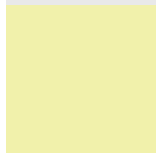
Original Color

77.8972, 93.1389, 18.5746



Achromatopsia

77.4512, 81.4847, 88.7368



Achromatomaly

75.0816, 84.5516, 50.8910

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.8972, 93.1389, 18.5746 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, 63)` looks like.

```
.text, #text, p{  
    color:rgb(255, 255, 63)  
}
```

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, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 255, 63) }
```

Border

The CSS property to change the border of an element to XYZ 77.8972, 93.1389, 18.5746 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, 63) }
```


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

```
.border{ border-color:rgb(255, 255, 63) }
```

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, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 255, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 255, 63);  
box-shadow:4px 4px 4px 4px rgb(255, 255,  
63) }
```

Background

The CSS property to change the background color of an element to XYZ 77.8972, 93.1389, 18.5746 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, 63) }
```

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

```
.background{ background-color: rgb(255,  
255, 63) }
```

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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