

Converting Colors

XYZ(77.7080, 93.0632, 17.5797)

Have a look what the booklet for
XYZ(77.7080, 93.0632, 17.5797)
contains.

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Color

**XYZ(77.7138, 93.0655,
17.6089)**

Conversions

Conversions Part 1

Format	Color
Hex	FFFF38
RGB	255, 255, 56
RGB Percent	100%, 100%, 22%
CMY	0.0000, 0.0000, 0.7804
CMYK	0.00, 0.00, 0.78, 0.00
HSL	60°, 100%, 61%
HSV	60°, 78%, 100%
XYZ	77.7138, 93.0655, 17.6089
YIQ	232.3140, 63.8790, -61.8890

Conversions

Conversions Part 2

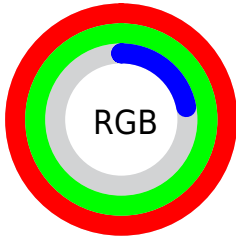
Format	Color
R _Y B	56, 255, 56
Decimal	16777016
CIE Lab	97.25, -20.62, 86.30
CIE LCh	97, 88.730, 103.438
Yxy	93.0655, 0.4125, 0.4940
Android (android.graphics.Color)	4294967096 (0xFFFFFFFF38)
YUV	232.3140, -86.9228, 19.8956
Hunter-Lab	96.4705, -25.0289, 56.7070

Details

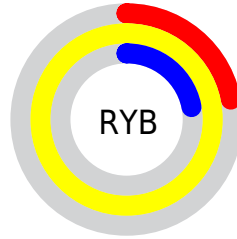
The XYZ color **77.7138, 93.0655, 17.6089** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **21.0961, 10.8903, 95.5979**, and the grayscale version is **77.5346, 81.5724, 88.8323**.

A 20% lighter version of the original color is **80.3902, 94.1361, 31.7024**, and **42.6716, 52.3162, 7.8490** is the 20% darker color. If you saturate the color by 10%, you get **77.2406, 92.8762, 15.1186**, and if you desaturate by 10%, it is **78.5041, 93.3816, 21.7720**.

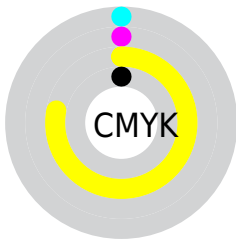
Distribution



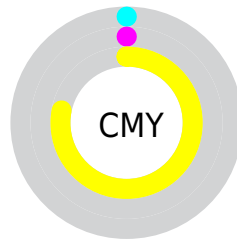
- Red (100%)
- Green (100%)
- Blue (22%)



- Red (22%)
- Yellow (100%)
- Blue (22%)



- Cyan (0%)
- Magenta (0%)
- Yellow (78%)
- Black (0%)





- Cyan (0%)
- Magenta (0%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 77.7138, 93.0655, 17.6089 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 77.7138, 93.0655, 17.6089 by changing the saturation by 10% instead.


 77.7138, 93.0655,
17.6089


 77.7138, 93.0655,
17.6089


476.0490,
537.9532, 250.8189


 58.1409, 70.5259,
10.5030

 129.1141,
151.5893, 40.1747


 42.1656, 51.9554,
5.6238


 161.6722,
188.3423, 56.4716


 29.4227, 36.9695,
2.5526


 199.2893,
230.6020, 76.6694

 19.5467, 25.1839,
0.8679

 242.3310,
278.7526, 101.1865

 12.1723, 16.2141,
0.0000

 291.1624,
333.1787, 130.4414

 6.9342, 9.6758,
0.0000

346.1490,

 3.4669, 5.1845,

394.2645, 164.8528

0.0000

407.6560,
462.3945, 204.8391

■ 1.4052, 2.3559,
0.0000

■ 0.2599, 0.8031,
0.0000

■ 77.7138, 93.0655,
17.6089

■ 77.7138, 93.0655,
17.6089

■ 77.2406, 92.8762,
15.1186

■ 78.5041, 93.3816,
21.7720

■ 77.0271, 92.7908,
13.9945

■ 79.6541, 93.8416,
27.8275

■ 76.9996, 92.7798,
13.8500

■ 81.1996, 94.4598,
35.9659

■ 83.1722, 95.2489,
46.3532

■ 85.6003, 96.2201,
59.1390

■ 88.5097, 97.3839,
74.4597

■ 91.9246, 98.7498,
92.4419

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.



102.9301, 93.0655, 18.2230



77.7138, 93.0655, 17.6089



59.2640, 93.0655, 30.4833

Triad

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



77.7138, 93.0655, 17.6089



57.8514, 93.0655, 229.0766



143.2111, 93.0655, 146.0307

Complementary

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



77.7138, 93.0655, 17.6089



21.0961, 10.8903, 95.5979

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.



125.9372, 93.0655, 238.3739



77.7138, 93.0655, 17.6089



75.4066, 93.0655, 299.7823

Square

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



77.7138, 93.0655, 17.6089



49.3475, 93.0655, 136.9433



100.1450, 93.0655, 303.8179



144.1517, 93.0655, 72.5014

Rectangle

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



77.7138, 93.0655, 17.6089



51.9472, 93.0655, 51.2627



100.1450, 93.0655, 303.8179



138.9928, 93.0655, 176.5058

Sweetspot

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



77.7137, 93.0655, 17.6101



87.0036, 96.7814, 66.5288



43.3687, 24.3749, 6.1616



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.



77.7137, 93.0655, 17.6101



77.0880, 92.8152, 14.3154



50.0887, 78.8242, 16.3172



19.5613, 21.0908, 19.1843



40.2340, 48.4794, 7.2369



3.9174, 4.7203, 0.7046

Inverse Universe

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



21.0961, 10.8903, 95.5979



18.4270, 7.6743, 95.1178



33.0793, 17.0679, 96.1587



17.0031, 17.3778, 22.7080



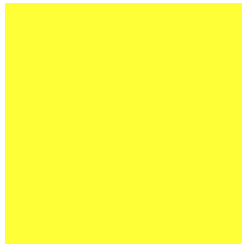
9.4315, 3.7726, 49.6657



0.9183, 0.3673, 4.8358

Previews

White Background



This preview shows how the XYZ color 77.7138, 93.0655, 17.6089 looks on a white background.

Color Contrast Check

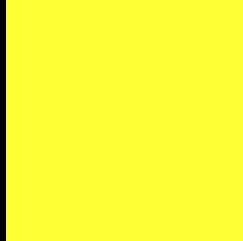
Large Text (above 18pt) WCAG AA × Fail

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 77.7138, 93.0655, 17.6089 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 77.7138, 93.0655, 17.6089

Background



This preview shows how black text looks on a background with the XYZ color 77.7138, 93.0655, 17.6089.



This preview shows how white text looks on a background with the XYZ color 77.7138, 93.0655,

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



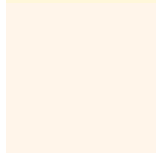
Original Color

77.7138, 93.0655, 17.6089



Protanopia

87.1557, 92.8435, 79.6567



Deuteranopia

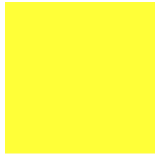
88.7437, 92.5053, 91.0199



Tritanopia

90.8460, 92.8635, 103.5788

Trichromacy



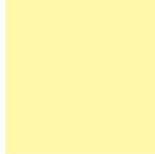
Original Color

77.7138, 93.0655, 17.6089



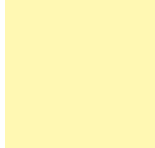
Protanomaly

81.6836, 92.1344, 46.2794



Deuteranomaly

82.2771, 91.8759, 50.9335



Tritanomaly

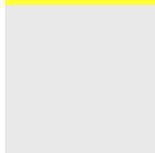
82.9441, 91.6495, 55.9663

Monochromacy



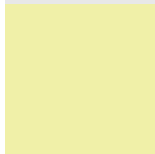
Original Color

77.7138, 93.0655, 17.6089



Achromatopsia

76.7008, 80.6952, 87.8771



Achromatomaly

74.1632, 83.6726, 49.2874

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.7138, 93.0655, 17.6089 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, 56)` looks like.

```
.text, #text, p{  
    color:rgb(255, 255, 56)  
}
```

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, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 255, 56) }
```

Border

The CSS property to change the border of an element to XYZ 77.7138, 93.0655, 17.6089 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, 56) }
```


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

```
.border{ border-color:rgb(255, 255, 56) }
```

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, 56) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 255, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 255, 56);  
box-shadow:4px 4px 4px 4px rgb(255, 255,  
56) }
```

Background

The CSS property to change the background color of an element to XYZ 77.7138, 93.0655, 17.6089 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, 56) }
```

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

```
.background{ background-color: rgb(255,  
255, 56) }
```

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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