

Converting Colors

XYZ(77.3871, 92.9337, 15.9392)

Have a look what the booklet for
XYZ(77.3871, 92.9337, 15.9392)
contains.

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Color

**XYZ(77.4002, 92.9401,
15.9576)**

Conversions

Conversions Part 1

Format	Color
Hex	FFFF29
RGB	255, 255, 41
RGB Percent	100%, 100%, 16%
CMY	0.0000, 0.0000, 0.8392
CMYK	0.00, 0.00, 0.84, 0.00
HSL	60°, 100%, 58%
HSV	60°, 84%, 100%
XYZ	77.4002, 92.9401, 15.9576
YIQ	230.6040, 68.6940, -66.5540

Conversions

Conversions Part 2

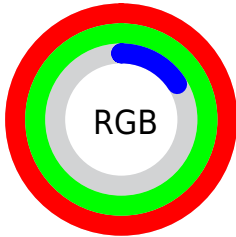
Format	Color
R _Y B	41, 255, 41
Decimal	16777001
CIE Lab	97.20, -21.03, 89.73
CIE LCh	97, 92.163, 103.190
Yxy	92.9401, 0.4155, 0.4989
Android (android.graphics.Color)	4294967081 (0xFFFFFFFF29)
YUV	230.6040, -93.4748, 21.3953
Hunter-Lab	96.4054, -25.3988, 57.6698

Details

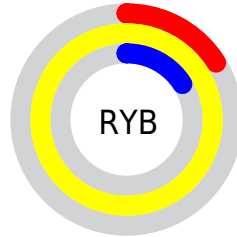
The XYZ color **77.4002, 92.9401, 15.9576** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **19.7584, 9.2784, 95.3573**, and the grayscale version is **76.2982, 80.2716, 87.4158**.

A 20% lighter version of the original color is **79.8145, 93.9058, 28.6708**, and **42.6716, 52.3162, 7.8490** is the 20% darker color. If you saturate the color by 10%, you get **77.0895, 92.8158, 14.3235**, and if you desaturate by 10%, it is **77.9982, 93.1793, 19.1083**.

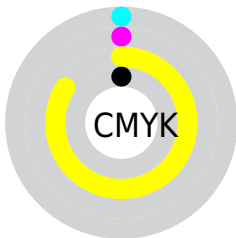
Distribution



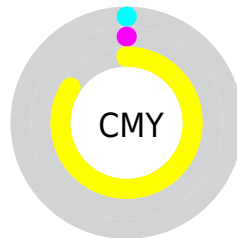
- Red (100%)
- Green (100%)
- Blue (16%)



- Red (16%)
- Yellow (100%)
- Blue (16%)



- Cyan (0%)
- Magenta (0%)
- Yellow (84%)
- Black (0%)





- Cyan (0%)
- Magenta (0%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 77.4002, 92.9401, 15.9576 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 77.4002, 92.9401, 15.9576 by changing the saturation by 10% instead.


 77.4002, 92.9401,
15.9576


 77.4002, 92.9401,
15.9576


474.9985,
537.5492, 240.9286


 57.8825, 70.4217,
9.3401


 128.6741,
151.4157, 37.2903


 41.9571, 51.8704,
4.8639


 161.1610,
188.1417, 52.8427


 29.2586, 36.9018,
2.1103


 198.7016,
230.3723, 72.2104

 19.4218, 25.1315,
0.6219

 241.6613,
278.4920, 95.8121

 12.0813, 16.1750,
0.0000

 290.4055,
332.8851, 124.0662

 6.8717, 9.6481,
0.0000

345.2995,

 3.4276, 5.1663,

393.9361, 157.3912

0.0000

406.7087,
462.0293, 196.2059

■ 1.3837, 2.3451,
0.0000

■ 0.2446, 0.7974,
0.0000

■ 77.4002, 92.9401,
15.9576

■ 77.4002, 92.9401,
15.9576

■ 77.0895, 92.8158,
14.3235


■ 77.9982, 93.1793,
19.1083


■ 76.9996, 92.7798,
13.8500


■ 78.9320, 93.5528,
24.0254


■ 80.2409, 94.0763,
30.9174

■ 81.9587, 94.7634,
39.9630

 84.1156, 95.6262,
51.3209

 86.7389, 96.6755,
65.1349

 89.8537, 97.9215,
81.5370

 93.4833, 99.3733,
100.6500

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.



103.6176, 92.9401, 16.6515



77.4002, 92.9401, 15.9576



58.3159, 92.9401, 28.5319

Triad

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



77.4002, 92.9401, 15.9576



56.6373, 92.9401, 234.4356



145.4388, 92.9401, 148.5724

Complementary

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



77.4002, 92.9401, 15.9576



19.7584, 9.2784, 95.3573

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.



127.2152, 92.9401, 245.8252



77.4002, 92.9401, 15.9576



74.6374, 92.9401, 309.8011

Square

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



77.4002, 92.9401, 15.9576



48.0150, 92.9401, 137.5582



100.2579, 92.9401, 314.7685



146.5828, 92.9401, 71.8828

Rectangle

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



77.4002, 92.9401, 15.9576



50.7701, 92.9401, 49.3318



100.2579, 92.9401, 314.7685



140.9656, 92.9401, 180.6010

Sweetspot

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



77.4001, 92.9400, 15.9588



86.4314, 96.5525, 63.5157



42.4338, 23.0069, 4.3032



18.2948, 20.5842, 12.5152



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.



77.4001, 92.9400, 15.9588



76.9996, 92.7798, 13.8500



48.3743, 77.9767, 14.6004



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.



19.7584, 9.2784, 95.3573



18.0500, 7.2200, 95.0500



31.0572, 15.1032, 95.8861



17.0031, 17.3778, 22.7080



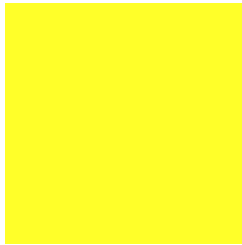
9.4315, 3.7726, 49.6657



0.9183, 0.3673, 4.8358

Previews

White Background



This preview shows how the XYZ color 77.4002, 92.9401, 15.9576 looks on a white background.

Color Contrast Check

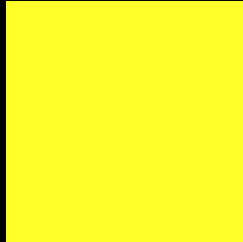
Large Text (above 18pt) WCAG AA × Fail

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 77.4002, 92.9401, 15.9576 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 77.4002, 92.9401, 15.9576

Background



This preview shows how black text looks on a background with the XYZ color 77.4002, 92.9401, 15.9576.



This preview shows how white text looks on a background with the XYZ color 77.4002, 92.9401,

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



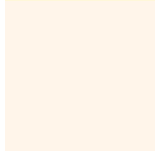
Original Color

77.4002, 92.9401, 15.9576



Protanopia

87.0251, 92.7913, 78.9694



Deuteranopia

88.7437, 92.5053, 91.0199



Tritanopia

90.8460, 92.8635, 103.5788

Trichromacy



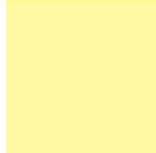
Original Color

77.4002, 92.9401, 15.9576



Protanomaly

81.1754, 91.9311, 43.6031



Deuteranomaly

81.8165, 91.6917, 48.5080



Tritanomaly

82.4474, 91.4508, 53.3507

Monochromacy



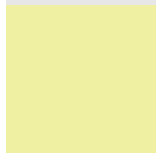
Original Color

77.4002, 92.9401, 15.9576



Achromatopsia

75.9547, 79.9103, 87.0223



Achromatomaly

73.6169, 83.4541, 46.4106

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.4002, 92.9401, 15.9576 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, 41)` looks like.

```
.text, #text, p{  
    color:rgb(255, 255, 41)  
}
```

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, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 255, 41) }
```

Border

The CSS property to change the border of an element to XYZ 77.4002, 92.9401, 15.9576 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, 41) }
```


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

```
.border{ border-color:rgb(255, 255, 41) }
```

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, 41)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 255, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 255, 41);  
box-shadow:4px 4px 4px 4px rgb(255, 255,  
41) }
```

Background

The CSS property to change the background color of an element to XYZ 77.4002, 92.9401, 15.9576 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, 41) }
```

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

```
.background{ background-color: rgb(255,  
255, 41) }
```

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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