

Converting Colors

XYZ(75.5800, 88.4707, 17.9069)

Have a look what the booklet for
XYZ(75.5800, 88.4707, 17.9069)
contains.

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Color

**XYZ(75.7328, 88.7650,
17.9923)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF840
RGB	255, 248, 64
RGB Percent	100%, 97%, 25%
CMY	0.0000, 0.0274, 0.7490
CMYK	0.00, 0.03, 0.75, 0.00
HSL	58°, 100%, 63%
HSV	58°, 75%, 100%
XYZ	75.7328, 88.7650, 17.9923
YIQ	229.1170, 63.2360, -55.7400

Conversions

Conversions Part 2

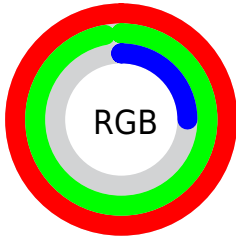
Format	Color
RYB	71, 255, 64
Decimal	16775232
CIELab	95.48, -16.99, 82.46
CIELCh	95, 84.192, 101.641
Yxy	88.7650, 0.4150, 0.4864
Android (android.graphics.Color)	4294965312 (0xFFFFFFFF840)
YUV	229.1170, -81.4027, 22.6994
Hunter-Lab	94.2152, -21.3933, 54.6280

Details

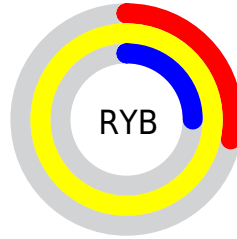
The XYZ color **75.7328, 88.7650, 17.9923** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **22.4179, 12.8166, 95.8993**, and the grayscale version is **75.1128, 79.0245, 86.0577**.

A 20% lighter version of the original color is **80.7017, 94.2607, 33.3427**, and **41.0978, 49.1686, 7.3244** is the 20% darker color. If you saturate the color by 10%, you get **74.8810, 87.9695, 14.9101**, and if you desaturate by 10%, it is **76.9215, 89.7042, 22.8237**.

Distribution



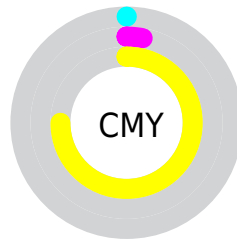
- Red (100%)
- Green (97%)
- Blue (25%)



- Red (28%)
- Yellow (100%)
- Blue (25%)



- Cyan (0%)
- Magenta (3%)
- Yellow (75%)
- Black (0%)





- Cyan (0%)
- Magenta (3%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 75.7328, 88.7650, 17.9923 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 75.7328, 88.7650, 17.9923 by changing the saturation by 10% instead.


 75.7328, 88.7650,
17.9923

 75.7328, 88.7650,
17.9923


469.3910,
524.0052, 253.0623

 56.5097, 66.9568,
10.7751


 126.3315,
145.6217, 40.8380


 40.8503, 49.0495,
5.8035


 158.4378,
181.4390, 57.3035


 28.3893, 34.6588,
2.6591


 195.5693,
222.6949, 77.6889

 18.7613, 23.4001,
0.9228

 238.0912,
269.7736, 102.4126

 11.6009, 14.8892,
0.0000

 286.3690,
323.0596, 131.8933

 6.5428, 8.7417,
0.0000

340.7680,

 3.2216, 4.5731,

382.9372, 166.5494

0.0000

401.6536,
449.7910, 206.7996

■ 1.2720, 1.9990,
0.0000

■ 0.1621, 0.6069,
0.0000

■ 75.7328, 88.7650,
17.9923

■ 75.7328, 88.7650,
17.9923

■ 74.8810, 87.9695,
14.9101

■ 76.9215, 89.7042,
22.8237

■ 74.3107, 87.2856,
13.3122

■ 78.4811, 90.7908,
29.6098

■ 74.0932, 86.9669,
12.8812

■ 80.4479, 92.0425,
38.5334

■ 82.8524, 93.4716,
49.7548

85.7222, 95.0891,
63.4192

89.0826, 96.9051,
79.6597

92.9569, 98.9291,
98.5999

95.0497, 99.9998,
108.9000

Harmonies

Analogous

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



99.1209, 88.7650, 19.2775



75.7328, 88.7650, 17.9923



58.1994, 88.7650, 29.4162

Triad

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



75.7328, 88.7650, 17.9923



55.3777, 88.7650, 207.9840



133.8445, 88.7650, 142.4244

Complementary

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



75.7328, 88.7650, 17.9923



22.4179, 12.8166, 95.8993

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.



117.3985, 88.7650, 226.0214



75.7328, 88.7650, 17.9923



71.1576, 88.7650, 274.2457

Square

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



75.7328, 88.7650, 17.9923



47.9616, 88.7650, 124.6091



93.6369, 88.7650, 282.0382



135.6822, 88.7650, 73.2211

Rectangle

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



75.7328, 88.7650, 17.9923



51.0519, 88.7650, 48.0049



93.6369, 88.7650, 282.0382



129.7187, 88.7650, 170.3972

Sweetspot

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



75.7348, 88.7692, 17.9941



86.6455, 95.5955, 67.8570



44.2946, 25.4159, 8.9718



18.3607, 20.3600, 13.6344



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.



75.7348, 88.7692, 17.9941



74.5589, 87.6083, 13.9287



53.0589, 80.3305, 17.5604



19.5009, 20.9699, 19.1641



38.7409, 45.4931, 6.7392



3.7892, 4.4637, 0.6619

Inverse Universe

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



22.4179, 12.8166, 95.8993



19.0326, 8.5715, 95.2591



32.4528, 17.3672, 96.2487



17.0563, 17.4843, 22.7258



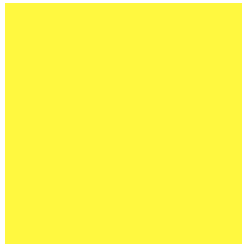
9.5075, 3.9246, 49.6910



0.9436, 0.4180, 4.8442

Previews

White Background



This preview shows how the XYZ color 75.7328, 88.7650, 17.9923 looks on a white background.

Color Contrast Check

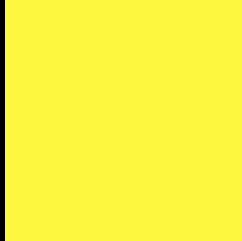
Large Text (above 18pt) WCAG AA × Fail

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 75.7328, 88.7650, 17.9923 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 75.7328, 88.7650, 17.9923

Background



This preview shows how black text looks on a background with the XYZ color 75.7328, 88.7650, 17.9923.



This preview shows how white text looks on a background with the XYZ color 75.7328, 88.7650,

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

75.7328, 88.7650, 17.9923



Protanopia

82.3961, 88.5258, 62.0347



Deuteranopia

85.4512, 88.8006, 81.0431



Tritanopia

88.0056, 88.4209, 98.8148

Trichromacy



Original Color

75.7328, 88.7650, 17.9923



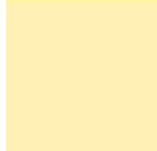
Protanomaly

78.7015, 88.0057, 39.6268



Deuteranomaly

79.9914, 88.0415, 47.8997



Tritanomaly

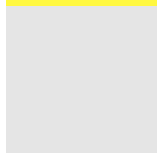
80.8320, 87.4253, 55.2623

Monochromacy



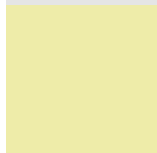
Original Color

75.7328, 88.7650, 17.9923



Achromatopsia

74.4753, 78.3538, 85.3273



Achromatomaly

72.4168, 81.0326, 49.3602

CSS Examples

Text

The CSS property to change the color of the text to XYZ 75.7328, 88.7650, 17.9923 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, 248, 64)` looks like.

```
.text, #text, p{  
    color:rgb(255, 248, 64)  
}
```

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, 248, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 248, 64) }
```

Border

The CSS property to change the border of an element to XYZ 75.7328, 88.7650, 17.9923 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, 248, 64) }
```


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

```
.border{ border-color:rgb(255, 248, 64) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(255, 248, 64) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 248, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 248, 64);  
box-shadow:4px 4px 4px 4px rgb(255, 248,  
64) }
```

Background

The CSS property to change the background color of an element to XYZ 75.7328, 88.7650, 17.9923 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 248, 64) }
```

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

```
.background{ background-color: rgb(255,  
248, 64) }
```

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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