

Converting Colors

XYZ(76.8952, 88.7367, 25.6664)

Have a look what the booklet for
XYZ(76.8952, 88.7367, 25.6664)
contains.

XYZ(76.8990, 88.7408, 25.6461)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(76.8990, 88.7408,
25.6461)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF766
RGB	255, 247, 102
RGB Percent	100%, 97%, 40%
CMY	0.0000, 0.0313, 0.6000
CMYK	0.00, 0.03, 0.60, 0.00
HSL	57°, 100%, 70%
HSV	57°, 60%, 100%
XYZ	76.8990, 88.7408, 25.6461
YIQ	232.8620, 51.3130, -43.3990

Conversions

Conversions Part 2

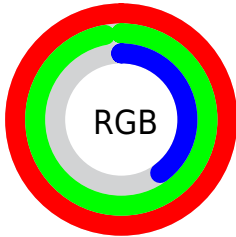
Format	Color
R _Y B	110, 255, 102
Decimal	16775014
CIE Lab	95.47, -14.58, 68.68
CIE LCh	95, 70.209, 101.984
Yxy	88.7408, 0.4020, 0.4639
Android (android.graphics.Color)	4294965094 (0xFFFFFFFF766)
YUV	232.8620, -64.5150, 19.4150
Hunter-Lab	94.2023, -19.1414, 49.8002

Details

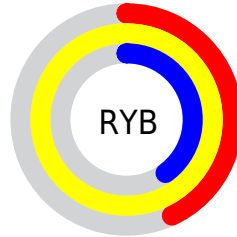
The XYZ color **76.8990, 88.7408, 25.6461** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **29.1055, 21.1962, 97.1644**, and the grayscale version is **77.7934, 81.8448, 89.1289**.

A 20% lighter version of the original color is **83.1716, 95.2486, 46.3490**, and **41.5911, 49.0456, 9.6575** is the 20% darker color. If you saturate the color by 10%, you get **75.4188, 87.5025, 19.8445**, and if you desaturate by 10%, it is **78.7752, 90.1487, 33.5000**.

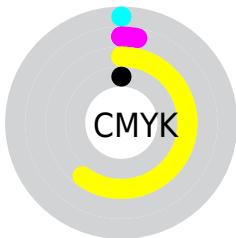
Distribution



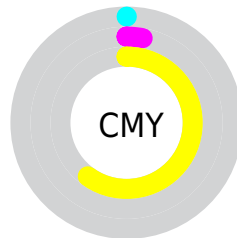
- Red (100%)
- Green (97%)
- Blue (40%)



- Red (43%)
- Yellow (100%)
- Blue (40%)



- Cyan (0%)
- Magenta (3%)
- Yellow (60%)
- Black (0%)





- Cyan (0%)
- Magenta (3%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 76.8990, 88.7408, 25.6461 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 76.8990, 88.7408, 25.6461 by changing the saturation by 10% instead.


 76.8990, 88.7408,
25.6461

 76.8990, 88.7408,
25.6461


473.3168,
523.9262, 294.5905


 57.4696, 66.9367,
16.3357


 127.9705,
145.5881, 53.6805


 41.6240, 49.0332,
9.6051


 160.3433,
181.4001, 73.2416

 28.9968, 34.6458,
5.0357


 197.7614,
222.6502, 97.0567

 19.2227, 23.3902,
2.2091

 240.5899,
269.7228, 125.5442

 11.9363, 14.8819,
0.6796

289.1944,
323.0023, 159.1229

 6.7722, 8.7365,
0.0000

343.9401,

 3.3651, 4.5697,

382.8731, 198.2111

0.0000

405.1925,
449.7196, 243.2274

■ 1.3496, 1.9971,
0.0000

■ 0.2199, 0.6058,
0.0000

■ 76.8990, 88.7408,
25.6461

■ 76.8990, 88.7408,
25.6461

■ 75.4188, 87.5025,
19.8445

■ 78.7752, 90.1487,
33.5000

■ 74.2912, 86.4066,
15.8951


■ 81.0734, 91.7269,
43.5709


■ 73.4744, 85.4396,
13.5675

■ 83.8245, 93.4909,
56.0130

■ 72.8962, 84.5728,
12.4823

■ 87.0551, 95.4513,
70.9651

 72.8961, 84.5726,
12.4821

 90.7895, 97.6179,
88.5554

95.0496, 99.9996,
108.8999

95.0498, 99.9999,
108.9000

Harmonies

Analogous

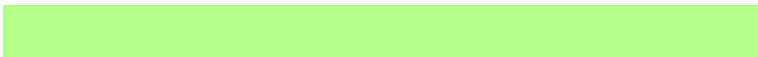
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



96.3057, 88.7408, 26.8559



76.8990, 88.7408, 25.6461



61.9515, 88.7408, 37.3503

Triad

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



76.8990, 88.7408, 25.6461



59.7385, 88.7408, 186.1745



124.6189, 88.7408, 133.2142

Complementary

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



76.8990, 88.7408, 25.6461



29.1055, 21.1962, 97.1644

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.



111.5743, 88.7408, 198.6447



76.8990, 88.7408, 25.6461



73.4189, 88.7408, 236.3556

Square

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



76.8990, 88.7408, 25.6461



53.1006, 88.7408, 120.3199



92.2578, 88.7408, 241.6307



125.9299, 88.7408, 76.2627

Rectangle

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



76.8990, 88.7408, 25.6461



55.7338, 88.7408, 54.9309



92.2578, 88.7408, 241.6307



121.3784, 88.7408, 155.3862

Sweetspot

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



76.9011, 88.7449, 25.6479



87.7608, 95.8680, 74.2654



48.9276, 31.9379, 18.9748



18.5661, 20.3906, 14.8747



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.



76.9011, 88.7449, 25.6479



75.1664, 87.2724, 18.9123



59.0706, 83.2597, 25.5289



19.4751, 20.9185, 19.1555



38.1254, 44.2620, 6.5340



3.7361, 4.3575, 0.6442

Inverse Universe

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



29.1055, 21.1962, 97.1644



23.6198, 14.4583, 96.1536



39.0146, 25.0816, 97.3921



17.0791, 17.5299, 22.7334



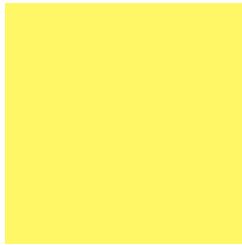
9.5400, 3.9895, 49.7018



0.9545, 0.4396, 4.8478

Previews

White Background



This preview shows how the XYZ color 76.8990, 88.7408, 25.6461 looks on a white background.

Color Contrast Check

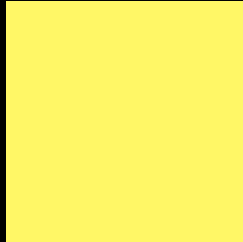
Large Text (above 18pt) WCAG AA × Fail

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 76.8990, 88.7408, 25.6461 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 76.8990, 88.7408, 25.6461

Background



This preview shows how black text looks on a background with the XYZ color 76.8990, 88.7408, 25.6461.



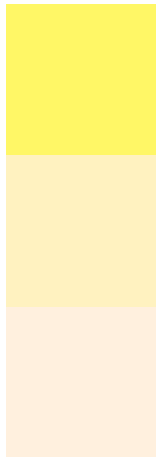
This preview shows how white text looks on a background with the XYZ color 76.8990, 88.7408,

25.6461.

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

76.8990, 88.7408, 25.6461

Protanopia

82.5066, 88.5700, 62.6163

Deuteranopia

85.5849, 88.8541, 81.7470



Tritanopia

88.1587, 88.4822, 99.6211

Trichromacy



Original Color

76.8990, 88.7408, 25.6461



Protanomaly

79.8487, 88.4646, 45.6678



Deuteranomaly

81.3265, 88.5755, 54.9299



Tritanomaly

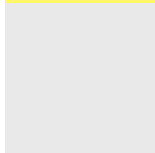
82.4329, 88.0656, 63.6926

Monochromacy



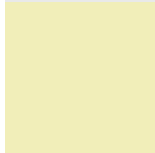
Original Color

76.8990, 88.7408, 25.6461



Achromatopsia

77.4512, 81.4847, 88.7368



Achromatomaly

75.6071, 83.3526, 58.0027

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.8990, 88.7408, 25.6461 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, 247, 102)` looks like.

```
.text, #text, p{  
    color:rgb(255, 247, 102)  
}
```

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, 247, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 247, 102) }
```

Border

The CSS property to change the border of an element to XYZ 76.8990, 88.7408, 25.6461 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, 247, 102) }
```


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

```
.border{ border-color:rgb(255, 247, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 247, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 247, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 247, 102);  
box-shadow:4px 4px 4px 4px rgb(255, 247,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 76.8990, 88.7408, 25.6461 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 247, 102) }
```

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

```
.background{ background-color: rgb(255,  
247, 102) }
```

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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