

Converting Colors

XYZ(77.5840, 90.1107, 25.8744)

Have a look what the booklet for
XYZ(77.5840, 90.1107, 25.8744)
contains.

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Color

**XYZ(77.5140, 89.9707,
25.8510)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF966
RGB	255, 249, 102
RGB Percent	100%, 98%, 40%
CMY	0.0000, 0.0235, 0.6000
CMYK	0.00, 0.02, 0.60, 0.00
HSL	58°, 100%, 70%
HSV	58°, 60%, 100%
XYZ	77.5140, 89.9707, 25.8510
YIQ	234.0360, 50.7630, -44.4450

Conversions

Conversions Part 2

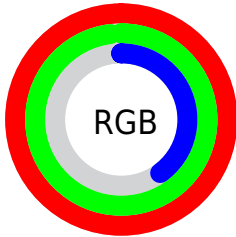
Format	Color
RYB	108, 255, 102
Decimal	16775526
CIELab	95.98, -15.55, 69.23
CIELCh	96, 70.959, 102.657
Yxy	89.9707, 0.4009, 0.4654
Android (android.graphics.Color)	4294965606 (0xFFFFFFFF966)
YUV	234.0360, -65.0937, 18.3854
Hunter-Lab	94.8529, -20.1219, 50.2383

Details

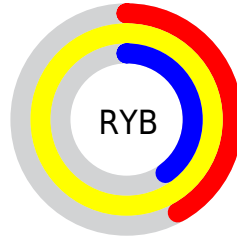
The XYZ color **77.5140, 89.9707, 25.8510** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **28.8922, 20.7695, 97.0935**, and the grayscale version is **78.6867, 82.7845, 90.1524**.

A 20% lighter version of the original color is **83.1716, 95.2486, 46.3490**, and **42.0117, 49.9164, 9.7061** is the 20% darker color. If you saturate the color by 10%, you get **76.1318, 88.9285, 20.0821**, and if you desaturate by 10%, it is **79.2909, 91.1801, 33.6719**.

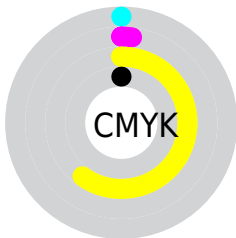
Distribution



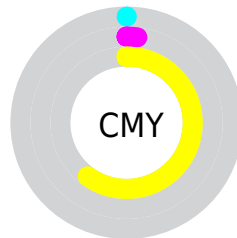
- Red (100%)
- Green (98%)
- Blue (40%)



- Red (42%)
- Yellow (100%)
- Blue (40%)



- Cyan (0%)
- Magenta (2%)
- Yellow (60%)
- Black (0%)



- Cyan (0%)
- Magenta (2%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.5140, 89.9707, 25.8510 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 77.5140, 89.9707, 25.8510 by changing the saturation by 10% instead.

77.5140, 89.9707,
25.8510

77.5140, 89.9707,
25.8510

475.3798,
527.9355, 295.6320

57.9762, 67.9563,
16.4874

128.8338,
147.2977, 54.0156

42.0327, 49.8622,
9.7117

161.3465,
183.3791, 73.6537

29.3181, 35.3039,
5.1051

198.9149,
224.9184, 97.5538

19.4671, 23.8971,
2.2492

241.9044,
272.2998, 126.1343

12.1143, 15.2573,
0.7026

290.6803,
325.9078, 159.8139

6.8943, 9.0002,
0.0000

345.6079,

3.4418, 4.7413,

386.1269, 199.0110

0.0000

407.0526,
453.3413, 244.1442

■ 1.3915, 2.0963,
0.0000

■ 0.2502, 0.6625,
0.0000

■ 77.5140, 89.9707,
25.8510

■ 77.5140, 89.9707,
25.8510

■ 76.1318, 88.9285,
20.0821

■ 79.2909, 91.1801,
33.6719

■ 75.1010, 88.0261,
16.1650


■ 81.4885, 92.5571,
43.7092


■ 74.3797, 87.2501,
13.8692

■ 84.1379, 94.1174,
56.1173

■ 73.8958, 86.5717,
12.8154

■ 87.2654, 95.8716,
71.0350

 73.8957, 86.5716,
12.8153

 90.8953, 97.8295,
88.5906

95.0497, 99.9997,
108.9000

95.0498, 99.9999,
108.9000

Harmonies

Analogous

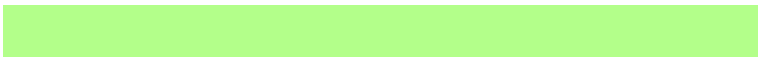
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



97.2562, 89.9707, 26.8027



77.5140, 89.9707, 25.8510



62.4204, 89.9707, 38.0655

Triad

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



77.5140, 89.9707, 25.8510



60.6696, 89.9707, 190.8903



126.8014, 89.9707, 133.8147

Complementary

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



77.5140, 89.9707, 25.8510



28.8922, 20.7695, 97.0935

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.



113.6998, 89.9707, 200.7977



77.5140, 89.9707, 25.8510



74.7580, 89.9707, 241.4589

Square

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



77.5140, 89.9707, 25.8510



53.7430, 89.9707, 123.5867



94.0473, 89.9707, 245.6531



127.8419, 89.9707, 76.1507

Rectangle

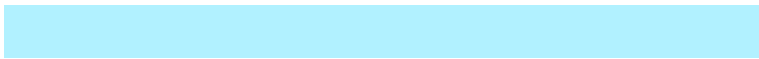
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.5140, 89.9707, 25.8510



56.1985, 89.9707, 56.2562



94.0473, 89.9707, 245.6531



123.5795, 89.9707, 156.4181

Sweetspot

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



77.5161, 89.9749, 25.8528



87.9501, 96.2467, 74.3285



48.7873, 31.8818, 18.2357



18.6130, 20.4845, 14.8904



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.



77.5161, 89.9749, 25.8528



75.8988, 88.7372, 19.1565



58.4449, 82.9372, 25.4996



19.4966, 20.9615, 19.1627



38.6392, 45.2897, 6.7053



3.7804, 4.4462, 0.6590

Inverse Universe

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



28.8922, 20.7695, 97.0935



23.4446, 14.1080, 96.0952



39.5641, 25.3649, 97.4180



17.0601, 17.4917, 22.7270



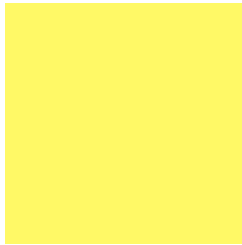
9.5128, 3.9352, 49.6928



0.9454, 0.4215, 4.8448

Previews

White Background



This preview shows how the XYZ color 77.5140, 89.9707, 25.8510 looks on a white background.

Color Contrast Check

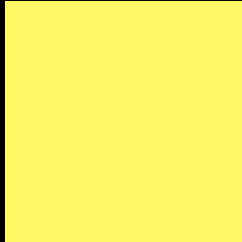
Large Text (above 18pt) WCAG AA × Fail

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 77.5140, 89.9707, 25.8510 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

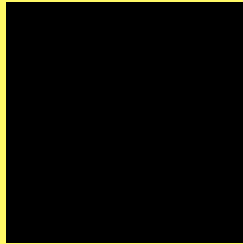
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.5140, 89.9707, 25.8510

Background



This preview shows how black text looks on a background with the XYZ color 77.5140, 89.9707, 25.8510.

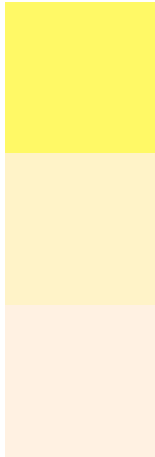


This preview shows how white text looks on a background with the XYZ color 77.5140, 89.9707,

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

77.5140, 89.9707, 25.8510

Protanopia

83.7159, 89.5313, 67.5126

Deuteranopia

86.4228, 89.6616, 84.7030



Tritanopia

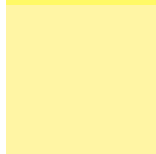
88.8950, 89.7084, 100.6259

Trichromacy



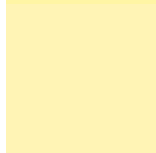
Original Color

77.5140, 89.9707, 25.8510



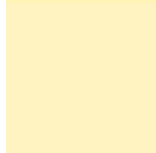
Protanomaly

80.5932, 89.2452, 48.1003



Deuteranomaly

81.9312, 89.2976, 56.6340



Tritanomaly

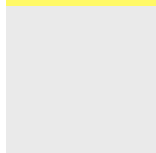
83.0282, 89.2562, 63.8911

Monochromacy



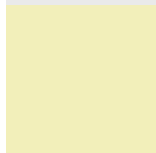
Original Color

77.5140, 89.9707, 25.8510



Achromatopsia

78.2058, 82.2786, 89.6014



Achromatomaly

76.3474, 84.1554, 58.6741

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.5140, 89.9707, 25.8510 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, 249, 102)` looks like.

```
.text, #text, p{  
    color:rgb(255, 249, 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, 249, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 249, 102) }
```

Border

The CSS property to change the border of an element to XYZ 77.5140, 89.9707, 25.8510 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, 249, 102) }
```


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

```
.border{ border-color:rgb(255, 249, 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, 249, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 249, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 249, 102);  
box-shadow:4px 4px 4px 4px rgb(255, 249,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 77.5140, 89.9707, 25.8510 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 249, 102) }
```

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

```
.background{ background-color: rgb(255,  
249, 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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