

Converting Colors

XYZ(77.8340, 90.6107, 25.9577)

Have a look what the booklet for
XYZ(77.8340, 90.6107, 25.9577)
contains.

XYZ(77.8239, 90.5905, 25.9543)	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(77.8239, 90.5905,
25.9543)**

Conversions

Conversions Part 1

Format	Color
Hex	FFFA66
RGB	255, 250, 102
RGB Percent	100%, 98%, 40%
CMY	0.0000, 0.0196, 0.6000
CMYK	0.00, 0.02, 0.60, 0.00
HSL	58°, 100%, 70%
HSV	58°, 60%, 100%
XYZ	77.8239, 90.5905, 25.9543
YIQ	234.6230, 50.4880, -44.9680

Conversions

Conversions Part 2

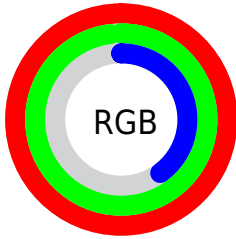
Format	Color
RYB	107, 255, 102
Decimal	16775782
CIELab	96.24, -16.03, 69.51
CIELCh	96, 71.337, 102.988
Yxy	90.5905, 0.4004, 0.4661
Android (android.graphics.Color)	4294965862 (0xFFFFFA66)
YUV	234.6230, -65.3831, 17.8706
Hunter-Lab	95.1790, -20.6114, 50.4576

Details

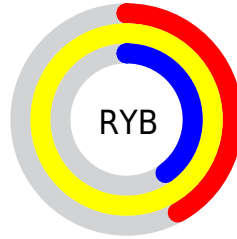
The XYZ color **77.8239, 90.5905, 25.9543** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **28.7873, 20.5598, 97.0585**, and the grayscale version is **79.1355, 83.2567, 90.6665**.

A 20% lighter version of the original color is **83.1716, 95.2486, 46.3490**, and **42.2335, 50.3601, 9.7800** is the 20% darker color. If you saturate the color by 10%, you get **76.4916, 89.6481, 20.2021**, and if you desaturate by 10%, it is **79.5504, 91.6991, 33.7584**.

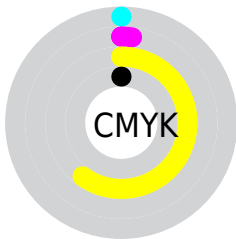
Distribution



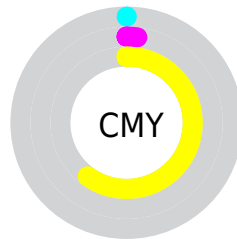
- Red (100%)
- Green (98%)
- Blue (40%)



- 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 77.8239, 90.5905, 25.9543 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 77.8239, 90.5905, 25.9543 by changing the saturation by 10% instead.

77.8239, 90.5905,
25.9543

77.8239, 90.5905,
25.9543

476.4175,
529.9499, 296.1560

58.2316, 68.4705,
16.5640

129.2685,
148.1584, 54.1844

42.2389, 50.2806,
9.7655

161.8516,
184.3750, 73.8613

29.4803, 35.6364,
5.1402

199.4956,
226.0593, 97.8041

19.5906, 24.1535,
2.2696

242.5659,
273.5957, 126.4313

12.2043, 15.4475,
0.7141

291.4279,
327.3686, 160.1616

6.9562, 9.1341,
0.0000

346.4470,

3.4808, 4.8287,

387.7623, 199.4135

0.0000

407.9884,
455.1612, 244.6054

■ 1.4128, 2.1471,
0.0000

■ 0.2653, 0.6909,
0.0000

■ 77.8239, 90.5905,
25.9543

■ 77.8239, 90.5905,
25.9543

■ 76.4916, 89.6481,
20.2021

■ 79.5504, 91.6991,
33.7584

■ 75.5102, 88.8445,
16.3014


■ 81.6971, 92.9743,
43.7788


■ 74.8378, 88.1663,
14.0219

■ 84.2951, 94.4319,
56.1697

■ 74.4023, 87.5847,
12.9843

■ 87.3707, 96.0823,
71.0702

 74.4022, 87.5846,
12.9841

 90.9482, 97.9353,
88.6082

95.0497, 99.9997,
108.9000

95.0498, 99.9999,
108.9000

Harmonies

Analogous

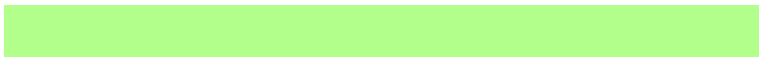
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



97.7349, 90.5905, 26.7769



77.8239, 90.5905, 25.9543



62.6567, 90.5905, 38.4265

Triad

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



77.8239, 90.5905, 25.9543



61.1390, 90.5905, 193.2759



127.9023, 90.5905, 134.1182

Complementary

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



77.8239, 90.5905, 25.9543



28.7873, 20.5598, 97.0585

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.



114.7725, 90.5905, 201.8820



77.8239, 90.5905, 25.9543



75.4337, 90.5905, 244.0367

Square

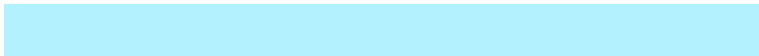
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.8239, 90.5905, 25.9543



54.0666, 90.5905, 125.2406



94.9506, 90.5905, 247.6813



128.8056, 90.5905, 76.0969

Rectangle

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



77.8239, 90.5905, 25.9543



56.4326, 90.5905, 56.9264



94.9506, 90.5905, 247.6813



124.6899, 90.5905, 156.9383

Sweetspot

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



77.8260, 90.5947, 25.9562



88.0450, 96.4364, 74.3602



48.6510, 31.8272, 17.5178



18.6366, 20.5317, 14.8982



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.



77.8260, 90.5947, 25.9562



76.2685, 89.4767, 19.2797



57.8302, 82.6203, 25.4708



19.5074, 20.9830, 19.1663



38.8996, 45.8104, 6.7921



3.8028, 4.4910, 0.6664

Inverse Universe

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



28.7873, 20.5598, 97.0585



23.3593, 13.9375, 96.0668



40.1244, 25.6537, 97.4442



17.0505, 17.4727, 22.7239



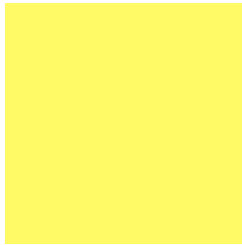
9.4993, 3.9081, 49.6883



0.9409, 0.4125, 4.8433

Previews

White Background



This preview shows how the XYZ color 77.8239, 90.5905, 25.9543 looks on a white background.

Color Contrast Check

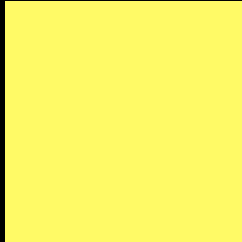
Large Text (above 18pt) WCAG AA × Fail

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 77.8239, 90.5905, 25.9543 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 77.8239, 90.5905, 25.9543

Background



This preview shows how black text looks on a background with the XYZ color 77.8239, 90.5905, 25.9543.

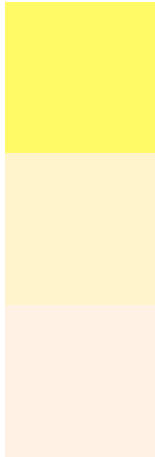


This preview shows how white text looks on a background with the XYZ color 77.8239, 90.5905,

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

77.8239, 90.5905, 25.9543

Protanopia

84.4898, 90.3210, 70.1073

Deuteranopia

86.9957, 90.3657, 86.2559



Tritanopia

89.3434, 90.3575, 101.5388

Trichromacy



Original Color

77.8239, 90.5905, 25.9543



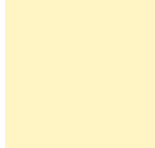
Protanomaly

81.1708, 89.9616, 49.6454



Deuteranomaly

82.3359, 89.9422, 57.2770



Tritanomaly

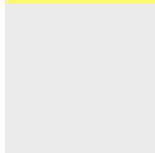
83.4410, 89.9015, 64.5847

Monochromacy



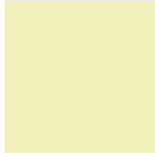
Original Color

77.8239, 90.5905, 25.9543



Achromatopsia

78.9647, 83.0770, 90.4708



Achromatomaly

76.7477, 84.7853, 59.3339

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.8239, 90.5905, 25.9543 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, 250, 102)` looks like.

```
.text, #text, p{  
    color:rgb(255, 250, 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, 250, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 250, 102) }
```

Border

The CSS property to change the border of an element to XYZ 77.8239, 90.5905, 25.9543 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, 250, 102) }
```


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

```
.border{ border-color:rgb(255, 250, 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, 250, 102) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 250, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 250, 102);  
box-shadow:4px 4px 4px 4px rgb(255, 250,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 77.8239, 90.5905, 25.9543 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 250, 102) }
```

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

```
.background{ background-color: rgb(255,  
250, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor