

Converting Colors

XYZ(128.8018, 151.4661,
38.1323)

Have a look what the booklet for
XYZ(128.8018, 151.4661, 38.1323)
contains.

XYZ(79.9806, 93.9723, 29.5458)	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(79.9806, 93.9723,
29.5458)**

Conversions

Conversions Part 1

Format	Color
Hex	FFFF71
RGB	255, 255, 113
RGB Percent	100%, 100%, 44%
CMY	0.0000, 0.0000, 0.5568
CMYK	0.00, 0.00, 0.56, 0.00
HSL	60°, 100%, 72%
HSV	60°, 56%, 100%
XYZ	79.9806, 93.9723, 29.5458
YIQ	238.8120, 45.5820, -44.1620

Conversions

Conversions Part 2

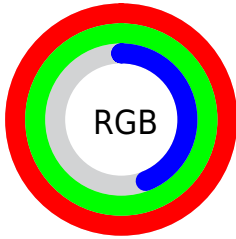
Format	Color
R _Y B	113, 255, 113
Decimal	16777073
CIE Lab	97.62, -17.70, 66.42
CIE LCh	98, 68.734, 104.921
Yxy	93.9723, 0.3930, 0.4618
Android (android.graphics.Color)	4294967153 (0xFFFFFFFF71)
YUV	238.8120, -62.0253, 14.1969
Hunter-Lab	96.9393, -22.3709, 49.7867

Details

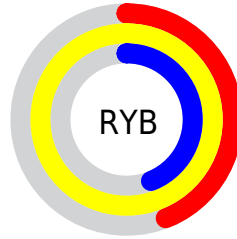
The XYZ color **79.9806, 93.9723, 29.5458** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **30.7662, 22.5422, 97.3373**, and the grayscale version is **82.3393, 86.6274, 94.3372**.

A 20% lighter version of the original color is **84.1614, 95.6446, 51.5616**, and **43.6976, 52.4193, 11.6857** is the 20% darker color. If you saturate the color by 10%, you get **78.7407, 93.4762, 23.0178**, and if you desaturate by 10%, it is **81.6238, 94.6295, 38.1998**.

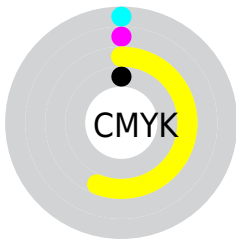
Distribution



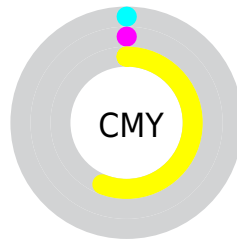
- Red (100%)
- Green (100%)
- Blue (44%)



- Red (44%)
- Yellow (100%)
- Blue (44%)



- Cyan (0%)
- Magenta (0%)
- Yellow (56%)
- Black (0%)





- Cyan (0%)
- Magenta (0%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 79.9806, 93.9723, 29.5458 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 79.9806, 93.9723, 29.5458 by changing the saturation by 10% instead.

 79.9806, 93.9723,
29.5458


 79.9806, 93.9723,
29.5458


483.6050,
540.8697, 313.9227


 60.0108, 71.2799,
19.2450


 132.2891,
152.8440, 59.9956

 43.6768, 52.5707,
11.6688


 165.3586,
189.7922, 80.9817

 30.6133, 37.4601,
6.3988


 203.5252,
232.2610, 106.3666

 20.4550, 25.5640,
3.0164

247.1546,
280.6350, 136.5689

 12.8364, 16.4977,
1.1030

296.6118,
335.2984, 172.0072

 7.3922, 9.8770,
0.0000

352.2624,

 3.7571, 5.3175,

396.6357, 213.0998

0.0000

414.4717,
465.0314, 260.2655

■ 1.5656, 2.4347,
0.0000

■ 0.3699, 0.8437,
0.0000

■ 79.9806, 93.9723,
29.5458

■ 79.9806, 93.9723,
29.5458

■ 78.7407, 93.4762,
23.0178

■ 81.6238, 94.6295,
38.1998

■ 77.8693, 93.1277,
18.4293


■ 83.7010, 95.4604,
49.1381


■ 77.3258, 92.9103,
15.5677

■ 86.2400, 96.4760,
62.5079

■ 77.0600, 92.8039,
14.1682

■ 89.2662, 97.6865,
78.4432

 76.9995, 92.7798,
13.8500

 92.8032, 99.1013,
97.0684

95.0500, 100.0000,
108.9000

Harmonies

Analogous

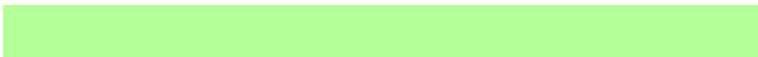
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



99.4628, 93.9723, 29.5795



79.9806, 93.9723, 29.5458



65.3078, 93.9723, 43.4358

Triad

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



79.9806, 93.9723, 29.5458



65.2481, 93.9723, 198.7689



130.7721, 93.9723, 132.9743

Complementary

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



79.9806, 93.9723, 29.5458



30.7662, 22.5422, 97.3373

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.



118.5912, 93.9723, 199.0971



79.9806, 93.9723, 29.5458



79.8873, 93.9723, 245.5224

Square

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



79.9806, 93.9723, 29.5458



57.6848, 93.9723, 132.6318



99.3549, 93.9723, 245.6606



130.8068, 93.9723, 77.0185

Rectangle

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



79.9806, 93.9723, 29.5458



59.4032, 93.9723, 63.1211



99.3549, 93.9723, 245.6606



127.8917, 93.9723, 155.0973

Sweetspot

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



79.9806, 93.9722, 29.5470



88.8395, 97.5158, 76.1962



50.1264, 34.2635, 19.5955



18.8794, 20.8180, 15.5936



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.



79.9806, 93.9722, 29.5470



78.6058, 93.4223, 22.3077



58.5085, 82.9029, 28.5421



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.



30.7662, 22.5422, 97.3373



24.9017, 15.4757, 96.2824



43.7232, 29.2218, 97.9436



17.0031, 17.3778, 22.7080



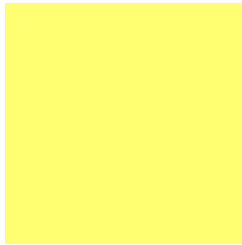
9.4315, 3.7726, 49.6657



0.9183, 0.3673, 4.8358

Previews

White Background



This preview shows how the XYZ color 79.9806, 93.9723, 29.5458 looks on a white background.

Color Contrast Check

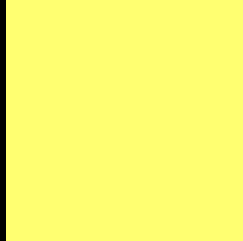
Large Text (above 18pt) WCAG AA × Fail

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 79.9806, 93.9723, 29.5458 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 79.9806, 93.9723, 29.5458

Background



This preview shows how black text looks on a background with the XYZ color 79.9806, 93.9723, 29.5458.



This preview shows how white text looks on a background with the XYZ color 79.9806, 93.9723,

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



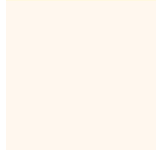
Original Color

79.9806, 93.9723, 29.5458



Protanopia

88.2619, 93.7766, 83.9698



Deuteranopia

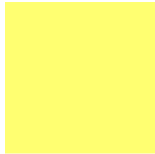
89.9334, 93.9546, 94.2840



Tritanopia

91.3050, 93.5299, 104.5076

Trichromacy



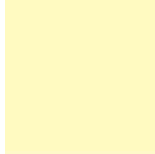
Original Color

79.9806, 93.9723, 29.5458



Protanomaly

84.3889, 93.7151, 58.9884



Deuteranomaly

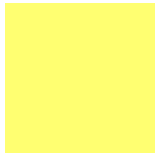
85.0512, 93.4815, 64.0131



Tritanomaly

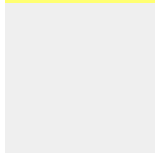
85.6583, 93.2284, 68.7385

Monochromacy



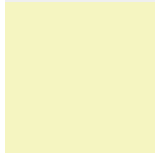
Original Color

79.9806, 93.9723, 29.5458



Achromatopsia

82.0431, 86.3157, 93.9978



Achromatomaly

79.9342, 88.5675, 63.3343

CSS Examples

Text

The CSS property to change the color of the text to XYZ 79.9806, 93.9723, 29.5458 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, 113)` looks like.

```
.text, #text, p{  
    color:rgb(255, 255, 113)  
}
```

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, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 255, 113) }
```

Border

The CSS property to change the border of an element to XYZ 79.9806, 93.9723, 29.5458 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, 113) }
```


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

```
.border{ border-color:rgb(255, 255, 113) }
```

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, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 255, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 255, 113);  
box-shadow:4px 4px 4px 4px rgb(255, 255,  
113) }
```

Background

The CSS property to change the background color of an element to XYZ 79.9806, 93.9723, 29.5458 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, 113) }
```

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

```
.background{ background-color: rgb(255,  
255, 113) }
```

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