

# Converting Colors

XYZ(79.2920, 93.6968, 25.9193)

Have a look what the booklet for  
XYZ(79.2920, 93.6968, 25.9193)  
contains.

<b>XYZ(79.3003, 93.7001, 25.9630)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# **Color**

**XYZ(79.3003, 93.7001,  
25.9630)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFFF64
RGB	255, 255, 100
RGB Percent	100%, 100%, 39%
CMY	0.0000, 0.0000, 0.6078
CMYK	0.00, 0.00, 0.61, 0.00
HSL	60°, 100%, 70%
HSV	60°, 61%, 100%
XYZ	79.3003, 93.7001, 25.9630
YIQ	237.3300, 49.7550, -48.2050

# Conversions

## Conversions Part 2

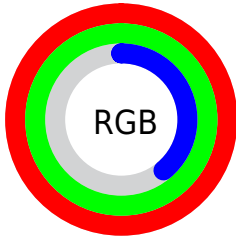
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	100, 255, 100
Decimal	16777060
CIE Lab	97.51, -18.57, 71.69
CIE LCh	98, 74.053, 104.520
Yxy	93.7001, 0.3986, 0.4709
Android (android.graphics.Color)	4294967140 (0xFFFFFFFF64)
YUV	237.3300, -67.7037, 15.4966
Hunter-Lab	96.7988, -23.1657, 51.8566

# Details

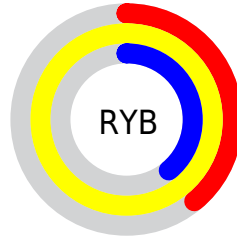
The XYZ color **79.3003, 93.7001, 25.9630** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **27.8638, 19.0449, 96.8152**, and the grayscale version is **81.2287, 85.4589, 93.0647**.

A 20% lighter version of the original color is **83.0858, 95.2143, 45.8974**, and **43.2953, 52.5954, 9.7895** is the 20% darker color. If you saturate the color by 10%, you get **78.2529, 93.2811, 20.4488**, and if you desaturate by 10%, it is **80.7339, 94.2735, 33.5131**.

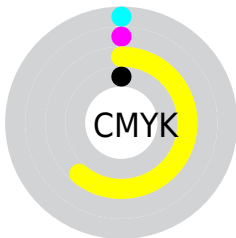
# Distribution



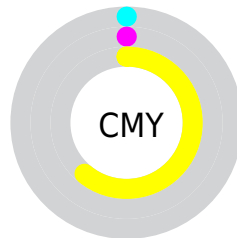
- Red (100%)
- Green (100%)
- Blue (39%)



- Red (39%)
- Yellow (100%)
- Blue (39%)



- Cyan (0%)
- Magenta (0%)
- Yellow (61%)
- Black (0%)




- Cyan (0%)
- Magenta (0%)
- Yellow (61%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 79.3003, 93.7001, 25.9630 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 79.3003, 93.7001, 25.9630 by changing the saturation by 10% instead.





 79.3003, 93.7001,  
25.9630


 79.3003, 93.7001,  
25.9630


481.3442,  
539.9951, 296.2001


 59.4492, 71.0535,  
16.5704


 131.3372,  
152.4675, 54.1986


 43.2226, 52.3859,  
9.7700


 164.2538,  
189.3572, 73.8787

 30.2551, 37.3128,  
5.1431

 202.2563,  
231.7633, 97.8251

 20.1813, 25.4497,  
2.2713

 245.7100,  
280.0703, 126.4563

 12.6360, 16.4124,  
0.7151

294.9802,  
334.6626, 160.1909

 7.2536, 9.8165,  
0.0000

350.4325,

 3.6689, 5.2774,

395.9246, 199.4474

0.0000

412.4320,  
464.2406, 244.6442

■ 1.5166, 2.4110,  
0.0000

■ 0.3371, 0.8315,  
0.0000

■ 79.3003, 93.7001,  
25.9630

■ 79.3003, 93.7001,  
25.9630

■ 78.2529, 93.2811,  
20.4488

■ 80.7339, 94.2735,  
33.5131

■ 77.5543, 93.0017,  
16.7699

■ 82.5862, 95.0145,  
43.2671

■ 77.1595, 92.8438,  
14.6913

■ 84.8865, 95.9346,  
55.3800

■ 76.9997, 92.7799,  
13.8500

■ 87.6612, 97.0445,  
69.9914

90.9349, 98.3540,  
87.2304

94.7304, 99.8722,  
107.2171

95.0500, 100.0000,  
108.9000

# Harmonies

## Analogous

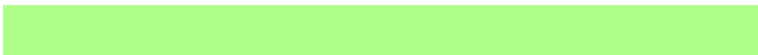
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



100.2939, 93.7001, 26.1651



79.3003, 93.7001, 25.9630



63.6080, 93.7001, 39.7233

# Triad

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



79.3003, 93.7001, 25.9630



63.2261, 93.7001, 206.6754



133.9913, 93.7001, 136.1604

# Complementary

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



79.3003, 93.7001, 25.9630



27.8638, 19.0449, 96.8152

# 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.



120.5283, 93.7001, 208.8791



79.3003, 93.7001, 25.9630



78.6963, 93.7001, 259.2815

# Square

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



79.3003, 93.7001, 25.9630



55.3681, 93.7001, 133.9017



99.5874, 93.7001, 260.2176



134.2216, 93.7001, 75.6545



# Rectangle

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



79.3003, 93.7001, 25.9630



57.3146, 93.7001, 59.8717



99.5874, 93.7001, 260.2176



130.7792, 93.7001, 160.3950

# Sweetspot

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



79.3003, 93.7001, 25.9642



88.5210, 97.3884, 74.5188



48.0981, 31.2955, 15.5634



18.7549, 20.7682, 14.9377



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.



79.3003, 93.7001, 25.9642



78.0693, 93.2077, 19.4820



56.3066, 81.8464, 24.8881



19.5613, 21.0908, 19.1843



40.2340, 48.4795, 7.2369



3.9174, 4.7203, 0.7046



# Inverse Universe

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



27.8638, 19.0449, 96.8152



22.6126, 12.7176, 95.8707



40.8538, 25.7415, 97.4231



17.0031, 17.3778, 22.7080



9.4315, 3.7726, 49.6657

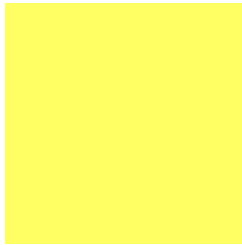


0.9183, 0.3673, 4.8358



# Previews

## White Background



This preview shows how the XYZ color 79.3003, 93.7001, 25.9630 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

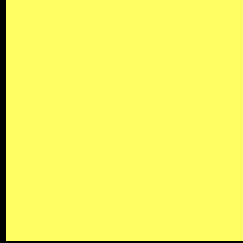
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 79.3003, 93.7001, 25.9630 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 79.3003, 93.7001, 25.9630

## Background



This preview shows how black text looks on a background with the XYZ color 79.3003, 93.7001, 25.9630.



This preview shows how white text looks on a background with the XYZ color 79.3003, 93.7001,

25.9630.

# Color Blindness Simulation

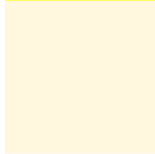
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



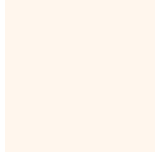
**Original Color**

79.3003, 93.7001, 25.9630



**Protanopia**

87.9922, 93.6687, 82.5494



**Deuteranopia**

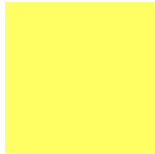
89.4818, 93.2860, 93.4106



## Tritanopia

91.3050, 93.5299, 104.5076

# Trichromacy



## Original Color

79.3003, 93.7001, 25.9630



## Protanomaly

83.7731, 93.4687, 55.7454



## Deuteranomaly

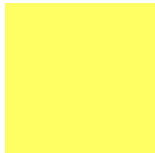
84.0853, 92.5992, 60.4554



## Tritanomaly

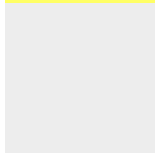
85.0795, 92.9969, 65.6906

# Monochromacy



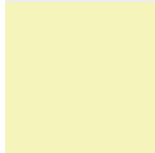
## Original Color

79.3003, 93.7001, 25.9630



## Achromatopsia

80.4953, 84.6873, 92.2245



## Achromatomaly

78.6286, 87.5223, 59.7630

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 79.3003, 93.7001, 25.9630 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, 100)` looks like.

```
.text, #text, p{  
    color:rgb(255, 255, 100)  
}
```

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, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 255, 100) }
```

## Border

The CSS property to change the border of an element to XYZ 79.3003, 93.7001, 25.9630 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, 100) }
```



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

```
.border{ border-color:rgb(255, 255, 100) }
```

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, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 255, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 255, 100);  
box-shadow:4px 4px 4px 4px rgb(255, 255,  
100) }
```

# Background

The CSS property to change the background color of an element to XYZ 79.3003, 93.7001, 25.9630 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, 100) }
```

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

```
.background{ background-color: rgb(255,  
255, 100) }
```

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