

# Converting Colors

XYZ(77.6267, 92.9504, 20.7797)

Have a look what the booklet for  
XYZ(77.6267, 92.9504, 20.7797)  
contains.

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# **Color**

**XYZ(77.6076, 92.9385,  
20.8697)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FDFD4D
RGB	253, 255, 77
RGB Percent	99%, 100%, 30%
CMY	0.0078, 0.0000, 0.6980
CMYK	0.01, 0.00, 0.70, 0.00
HSL	61°, 100%, 65%
HSV	61°, 70%, 100%
XYZ	77.6076, 92.9385, 20.8697
YIQ	234.1100, 55.9460, -55.7820

# Conversions

## Conversions Part 2

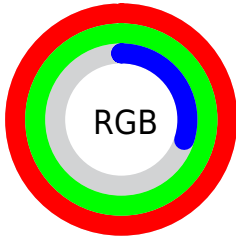
Format	Color
<a href="#">RYB</a>	<a href="#">77, 255, 79</a>
Decimal	<a href="#">16645965</a>
CIELab	<a href="#">97.20, -20.61, 79.86</a>
CIELCh	<a href="#">97, 82.480, 104.471</a>
Yxy	<a href="#">92.9385, 0.4054, 0.4855</a>
Android (android.graphics.Color)	<a href="#">4294836045 (0xFFFDFF4D)</a>
YUV	<a href="#">234.1100, -77.4552, 16.5665</a>
Hunter-Lab	<a href="#">96.4046, -25.0121, 54.6481</a>

# Details

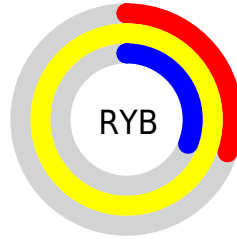
The XYZ color **77.6076, 92.9385, 20.8697** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **23.9293, 14.1912, 96.0857**, and the grayscale version is **78.8281, 82.9333, 90.3144**.

A 20% lighter version of the original color is **81.4439, 94.5576, 37.2514**, and **42.4157, 52.1843, 7.8370** is the 20% darker color. If you saturate the color by 10%, you get **76.7723, 92.5923, 17.0166**, and if you desaturate by 10%, it is **78.7957, 93.4257, 26.5824**.

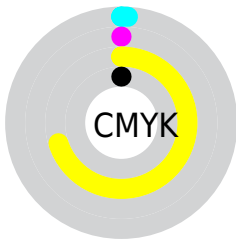
# Distribution



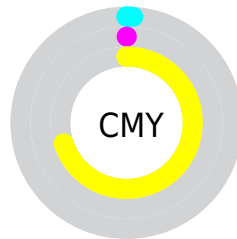
- Red (99%)
- Green (100%)
- Blue (30%)



- Red (30%)
- Yellow (100%)
- Blue (31%)



- Cyan (1%)
- Magenta (0%)
- Yellow (70%)
- Black (0%)




- Cyan (1%)
- Magenta (0%)
- Yellow (70%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 77.6076, 92.9385, 20.8697 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 77.6076, 92.9385, 20.8697 by changing the saturation by 10% instead.




 77.6076, 92.9385,  
20.8697


 77.6076, 92.9385,  
20.8697


475.6934,  
537.5440, 269.3435

 58.0534, 70.4204,  
12.8385


 128.9651,  
151.4135, 45.7486


 42.0950, 51.8693,  
7.1880


 161.4991,  
188.1391, 63.4333

 29.3671, 36.9009,  
3.4997


 199.0903,  
230.3694, 85.1729

 19.5044, 25.1308,  
1.3551

 242.1042,  
278.4887, 111.3859

 12.1415, 16.1745,  
0.1063

290.9061,  
332.8814, 142.4910

 6.9130, 9.6477,  
0.0000

345.8614,

 3.4536, 5.1660,

393.9319, 178.9066

0.0000

407.3354,  
462.0247, 221.0512

■ 1.3979, 2.3450,  
0.0000

■ 0.2547, 0.7974,  
0.0000

■ 77.6076, 92.9385,  
20.8697

■ 77.6076, 92.9385,  
20.8697

■ 76.7723, 92.5923,  
17.0166

■ 78.7957, 93.4257,  
26.5824

■ 76.2459, 92.3697,  
14.7882

■ 80.3735, 94.0690,  
34.3452


■ 75.9582, 92.2426,  
13.8157

■ 82.3732, 94.8809,  
44.3290

■ 75.9534, 92.2404,  
13.8010

■ 84.8238, 95.8733,  
56.6858

 87.7514, 97.0565,  
71.5543

 91.1805, 98.4403,  
89.0626

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.



100.8792, 92.9385, 21.0845



77.6076, 92.9385, 20.8697



60.5234, 92.9385, 34.4777

# Triad

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



77.6076, 92.9385, 20.8697



60.0698, 92.9385, 220.2999



138.9063, 92.9385, 139.5738

# Complementary

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



77.6076, 92.9385, 20.8697



23.9293, 14.1912, 96.0857

# 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.



123.5793, 92.9385, 223.1263



77.6076, 92.9385, 20.8697



76.8768, 92.9385, 281.9605

# Square

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



77.6076, 92.9385, 20.8697



51.6729, 92.9385, 136.7570



100.0086, 92.9385, 283.1765



139.1960, 92.9385, 72.4021



# Rectangle

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



77.6076, 92.9385, 20.8697



53.7655, 92.9385, 55.3630



100.0086, 92.9385, 283.1765



135.2362, 92.9385, 167.1644

# Sweetspot

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



77.6076, 92.9384, 20.8709



87.3745, 96.9043, 69.6356



45.2341, 27.1045, 9.8699



18.5217, 20.6688, 13.9893



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.



77.6076, 92.9384, 20.8709



76.5165, 92.4849, 15.8981



52.8263, 80.1632, 19.7111



19.5399, 21.0797, 19.1833



39.6965, 48.2024, 7.2118



3.8714, 4.6965, 0.7025



# Inverse Universe

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



23.9293, 14.1912, 96.0857



19.8410, 9.3102, 95.3590



36.4308, 20.6359, 96.6708



17.0219, 17.3875, 22.7089



9.4584, 3.7865, 49.6669

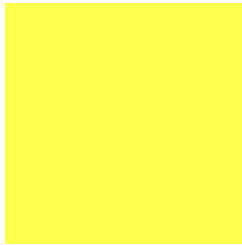


0.9273, 0.3719, 4.8362



# Previews

## White Background



This preview shows how the XYZ color 77.6076, 92.9385, 20.8697 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

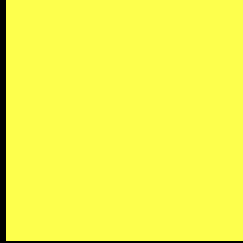
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 77.6076, 92.9385, 20.8697 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 77.6076, 92.9385, 20.8697**

## **Background**



This preview shows how black text looks on a background with the XYZ color 77.6076, 92.9385, 20.8697.



This preview shows how white text looks on a background with the XYZ color 77.6076, 92.9385,



# Color Blindness Simulation

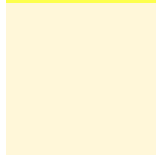
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



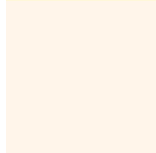
### Original Color

77.6076, 92.9385, 20.8697



### Protanopia

87.0251, 92.7913, 78.9694



### Deuteranopia

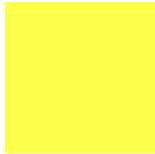
88.7437, 92.5053, 91.0199



## Tritanopia

90.8460, 92.8635, 103.5788

# Trichromacy



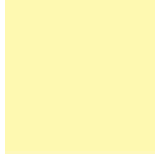
## Original Color

77.6076, 92.9385, 20.8697



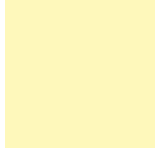
## Protanomaly

81.9416, 92.1952, 49.5531



## Deuteranomaly

82.6845, 91.9965, 54.9941



## Tritanomaly

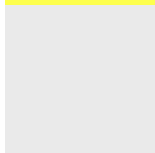
83.4101, 91.7935, 60.3354

# Monochromacy



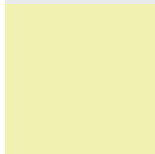
## Original Color

77.6076, 92.9385, 20.8697



## Achromatopsia

78.2058, 82.2786, 89.6014



## Achromatomaly

75.9636, 85.3794, 54.0711

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 77.6076, 92.9385, 20.8697 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(253, 255, 77)` looks like.

```
.text, #text, p{  
    color:rgb(253, 255, 77)  
}
```

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(253, 255, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 255, 77) }
```

## Border

The CSS property to change the border of an element to XYZ 77.6076, 92.9385, 20.8697 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(253, 255, 77) }
```



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

```
.border{ border-color:rgb(253, 255, 77) }
```

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

Here you see how a box with a 4 pixel rgb(253, 255, 77) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 255, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 255, 77);  
box-shadow:4px 4px 4px 4px rgb(253, 255,  
77) }
```

# Background

The CSS property to change the background color of an element to XYZ 77.6076, 92.9385, 20.8697 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 255, 77) }
```

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

```
.background{ background-color: rgb(253,  
255, 77) }
```

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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