

# Converting Colors

XYZ(80.3921, 100.0000,  
20.0274)

Have a look what the booklet for  
XYZ(80.3921, 100.0000, 20.0274)  
contains.

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# **Color**

**XYZ(76.4978, 92.4109,  
18.8062)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FBFF41
RGB	251, 255, 65
RGB Percent	98%, 100%, 25%
CMY	0.0157, 0.0000, 0.7451
CMYK	0.02, 0.00, 0.75, 0.00
HSL	61°, 100%, 63%
HSV	61°, 75%, 100%
XYZ	76.4978, 92.4109, 18.8062
YIQ	232.1440, 58.6060, -59.9380

# Conversions

## Conversions Part 2

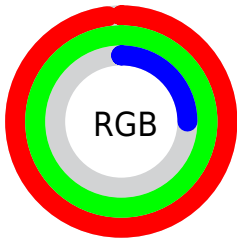
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">65, 255, 69</a>
Decimal	<a href="#">16514881</a>
CIELab	<a href="#">96.99, -21.92, 83.43</a>
CIELCh	<a href="#">97, 86.259, 104.724</a>
Yxy	<a href="#">92.4109, 0.4075, 0.4923</a>
Android (android.graphics.Color)	<a href="#">4294704961 (0xFFFFBFF41)</a>
YUV	<a href="#">232.1440, -82.4020, 16.5367</a>
Hunter-Lab	<a href="#">96.1306, -26.1837, 55.6924</a>

# Details

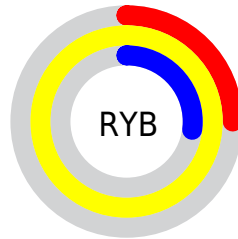
The XYZ color **76.4978, 92.4109, 18.8062** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **22.3955, 12.2670, 95.7951**, and the grayscale version is **77.3764, 81.4060, 88.6511**.

A 20% lighter version of the original color is **80.7659, 94.2864, 33.6809**, and **41.6586, 51.7940, 7.8016** is the 20% darker color. If you saturate the color by 10%, you get **75.7249, 92.0794, 15.7458**, and if you desaturate by 10%, it is **77.6043, 92.8758, 23.6231**.

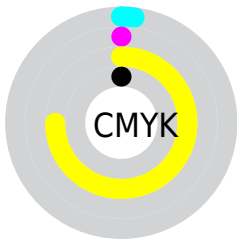
# Distribution



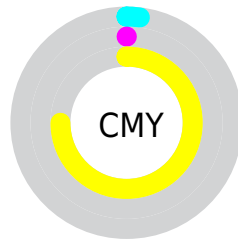
- Red (98%)
- Green (100%)
- Blue (25%)



- Red (25%)
- Yellow (100%)
- Blue (27%)



- Cyan (2%)
- Magenta (0%)
- Yellow (75%)
- Black (0%)




- Cyan (2%)
- Magenta (0%)
- Yellow (75%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 76.4978, 92.4109, 18.8062 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 76.4978, 92.4109, 18.8062 by changing the saturation by 10% instead.




 76.4978, 92.4109,  
18.8062

 76.4978, 92.4109,  
18.8062


471.9683,  
535.8426, 257.7638


 57.1393, 69.9820,  
11.3549


 127.4069,  
150.6828, 42.2387


 41.3576, 51.5118,  
6.1889


 159.6883,  
187.2945, 59.0570


 28.7876, 36.6161,  
2.8897


 197.0079,  
229.4026, 79.8347

 19.0636, 24.9104,  
1.0386

 239.7312,  
277.3914, 104.9904

 11.8206, 16.0103,  
0.0000

 288.2236,  
331.6455, 134.9427

 6.6929, 9.5315,  
0.0000

342.8503,

 3.3154, 5.0894,

392.5491, 170.1099

0.0000

403.9767,  
460.4867, 210.9108

■ 1.3227, 2.2998,  
0.0000

■ 0.2001, 0.7736,  
0.0000

■ 76.4978, 92.4109,  
18.8062

■ 76.4978, 92.4109,  
18.8062

■ 75.7249, 92.0794,  
15.7458

■ 77.6043, 92.8758,  
23.6231

■ 75.2369, 91.8619,  
14.1814

■ 79.0842, 93.4902,  
30.4025

■ 75.0520, 91.7758,  
13.7588

■ 80.9718, 94.2678,  
39.3255

■ 83.2973, 95.2206,  
50.5520

86.0883, 96.3596,  
64.2264

89.3699, 97.6949,  
80.4815

93.1654, 99.2359,  
99.4404

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.



100.7127, 92.4109, 18.9153



76.4978, 92.4109, 18.8062



58.9153, 92.4109, 32.3971

# Triad

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



76.4978, 92.4109, 18.8062



58.6721, 92.4109, 227.0266



140.9857, 92.4109, 140.1030

# Complementary

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



76.4978, 92.4109, 18.8062



22.3955, 12.2670, 95.7951

# 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.



124.9388, 92.4109, 228.5961



76.4978, 92.4109, 18.8062



76.1025, 92.4109, 292.4752

# Square

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



76.4978, 92.4109, 18.8062



49.9866, 92.4109, 138.5582



100.2377, 92.4109, 293.1543



141.1452, 92.4109, 70.3278



# Rectangle

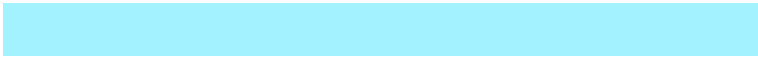
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



76.4978, 92.4109, 18.8062



52.0298, 92.4109, 53.6594



100.2377, 92.4109, 293.1543



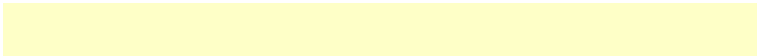
137.1560, 92.4109, 169.1597

# Sweetspot

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



76.4977, 92.4108, 18.8074



86.8639, 96.6755, 68.0540



44.2720, 25.7971, 7.6481



18.4132, 20.6195, 13.6817



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.



76.4977, 92.4108, 18.8074



75.4738, 91.9689, 14.8756



50.5872, 79.0535, 17.5948



19.5212, 21.0701, 19.1824



39.2334, 47.9637, 7.1901



3.8316, 4.6760, 0.7006



# Inverse Universe

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



22.3955, 12.2670, 95.7951



19.0882, 8.3734, 95.2179



35.0799, 18.8060, 96.3887



17.0384, 17.3960, 22.7097



9.4819, 3.7986, 49.6680

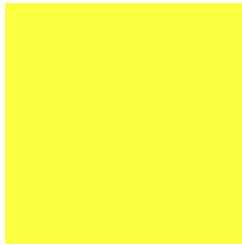


0.9351, 0.3760, 4.8366



# Previews

## White Background



This preview shows how the XYZ color 76.4978, 92.4109, 18.8062 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

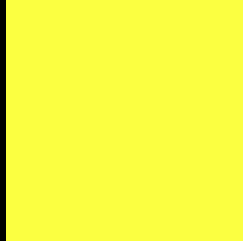
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 76.4978, 92.4109, 18.8062 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 76.4978, 92.4109, 18.8062**

## **Background**



This preview shows how black text looks on a background with the XYZ color 76.4978, 92.4109, 18.8062.



This preview shows how white text looks on a background with the XYZ color 76.4978, 92.4109,



# 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



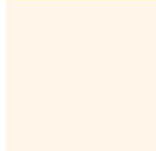
### Original Color

76.4978, 92.4109, 18.8062



### Protanopia

86.3334, 92.0266, 76.8310



### Deuteranopia

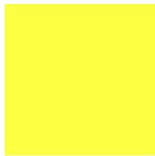
88.4579, 92.3910, 89.5149



## Tritanopia

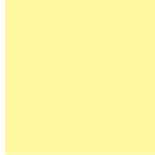
90.5459, 92.2633, 103.4788

# Trichromacy



## Original Color

76.4978, 92.4109, 18.8062



## Protanomaly

81.0939, 91.3603, 46.6179



## Deuteranomaly

82.0994, 91.7625, 51.9129



## Tritanomaly

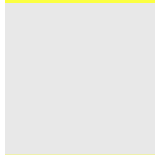
82.6811, 91.0113, 58.0089

# Monochromacy



## Original Color

76.4978, 92.4109, 18.8062



## Achromatopsia

76.7008, 80.6952, 87.8771



## Achromatomaly

74.1074, 83.6112, 50.7608

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 76.4978, 92.4109, 18.8062 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(251, 255, 65)` looks like.

```
.text, #text, p{  
    color:rgb(251, 255, 65)  
}
```

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(251, 255, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 255, 65) }
```

## Border

The CSS property to change the border of an element to XYZ 76.4978, 92.4109, 18.8062 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(251, 255, 65) }
```



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

```
.border{ border-color:rgb(251, 255, 65) }
```

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

Here you see how a box with a 4 pixel `rgb(251, 255, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 255, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 255, 65);  
box-shadow:4px 4px 4px 4px rgb(251, 255,  
65) }
```

# Background

The CSS property to change the background color of an element to XYZ 76.4978, 92.4109, 18.8062 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 255, 65) }
```

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

```
.background{ background-color: rgb(251,  
255, 65) }
```

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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