

Converting Colors

XYZ(90.8403, 100.0000,
22.1943)

Have a look what the booklet for
XYZ(90.8403, 100.0000, 22.1943)
contains.

XYZ(78.4480, 93.3592, 21.4749)	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(78.4480, 93.3592,
21.4749)**

Conversions

Conversions Part 1

Format	Color
Hex	FFFF50
RGB	255, 255, 80
RGB Percent	100%, 100%, 31%
CMY	0.0000, 0.0000, 0.6863
CMYK	0.00, 0.00, 0.69, 0.00
HSL	60°, 100%, 66%
HSV	60°, 69%, 100%
XYZ	78.4480, 93.3592, 21.4749
YIQ	235.0500, 56.1750, -54.4250

Conversions

Conversions Part 2

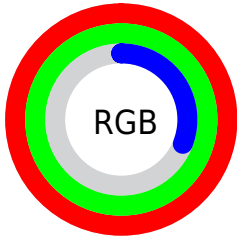
Format	Color
R _Y B	80, 255, 80
Decimal	16777040
CIE Lab	97.37, -19.66, 79.05
CIE LCh	97, 81.462, 103.969
Yxy	93.3592, 0.4059, 0.4830
Android (android.graphics.Color)	4294967120 (0xFFFFFFFF50)
YUV	235.0500, -76.4397, 17.4961
Hunter-Lab	96.6226, -24.1651, 54.4583

Details

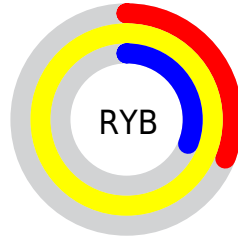
The XYZ color **78.4480, 93.3592, 21.4749** is a light color, and the websafe version is hex **FFFF66**. The color can be described as light muted yellow. A complement of this color would be **24.2280, 14.6640, 96.1612**, and the grayscale version is **79.5370, 83.6791, 91.1266**.

A 20% lighter version of the original color is **81.6602, 94.6441, 38.3903**, and **42.9291, 52.4489, 7.8611** is the 20% darker color. If you saturate the color by 10%, you get **77.6775, 93.0510, 17.4193**, and if you desaturate by 10%, it is **79.5757, 93.8103, 27.4145**.

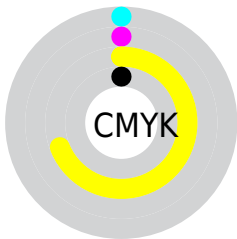
Distribution



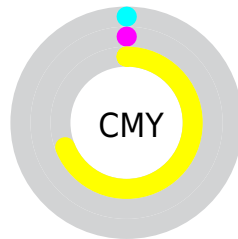
- Red (100%)
- Green (100%)
- Blue (31%)



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



- Cyan (0%)
- Magenta (0%)
- Yellow (69%)
- Black (0%)





- Cyan (0%)
- Magenta (0%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 78.4480, 93.3592, 21.4749 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 78.4480, 93.3592, 21.4749 by changing the saturation by 10% instead.


 78.4480, 93.3592,
21.4749

 78.4480, 93.3592,
21.4749


478.5035,
538.8987, 272.6551

 58.7461, 70.7701,
13.2770


 130.1435,
151.9958, 46.7676


 42.6544, 52.1546,
7.4866


 162.8678,
188.8121, 64.6994

 29.8074, 37.1283,
3.6852


 200.6637,
231.1396, 86.7129

 19.8398, 25.3069,
1.4543

 243.8965,
279.3627, 113.2267

 12.3862, 16.3058,
0.1835

292.9315,
333.8657, 144.6593

 7.0813, 9.7408,
0.0000

348.1341,

 3.5598, 5.2275,

395.0332, 181.4292

0.0000

409.8697,
463.2493, 223.9550

■ 1.4562, 2.3813,
0.0000

■ 0.2958, 0.8163,
0.0000

■ 78.4480, 93.3592,
21.4749

■ 78.4480, 93.3592,
21.4749

■ 77.6775, 93.0510,
17.4193

■ 79.5757, 93.8103,
27.4145

■ 77.2215, 92.8686,
15.0182

■ 81.0970, 94.4188,
35.4253

■ 77.0189, 92.7875,
13.9511

■ 83.0436, 95.1974,
45.6758

■ 76.9997, 92.7798,
13.8500

■ 85.4440, 96.1576,
58.3162

88.3244, 97.3098,
73.4839

91.7088, 98.6635,
91.3058

95.0500, 100.0000,
108.9000

Harmonies

Analogous

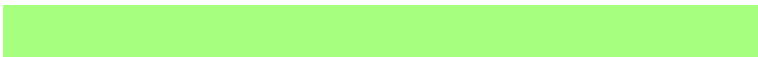
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



101.5626, 93.3592, 21.8974



78.4480, 93.3592, 21.4749



61.3541, 93.3592, 34.8758

Triad

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



78.4480, 93.3592, 21.4749



60.4755, 93.3592, 217.8792



138.5840, 93.3592, 140.9429

Complementary

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



78.4480, 93.3592, 21.4749



24.2280, 14.6640, 96.1612

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.



123.2475, 93.3592, 223.2987



78.4480, 93.3592, 21.4749



77.0359, 93.3592, 279.2580

Square

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



78.4480, 93.3592, 21.4749



52.2620, 93.3592, 135.5218



99.8844, 93.3592, 281.5859



139.1410, 93.3592, 73.9557

Rectangle

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



78.4480, 93.3592, 21.4749



54.5351, 93.3592, 55.4570



99.8844, 93.3592, 281.5859



134.8807, 93.3592, 168.2489

Sweetspot

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



78.4480, 93.3592, 21.4761



87.5956, 97.0182, 69.6459



45.5573, 27.5775, 10.5125



18.5752, 20.6964, 13.9918



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.



78.4480, 93.3592, 21.4761



77.4909, 92.9763, 16.4365



53.2510, 80.3697, 20.2969



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.



24.2280, 14.6640, 96.1612



20.1453, 9.7447, 95.4269



36.9620, 21.2286, 96.7572



17.0031, 17.3778, 22.7080



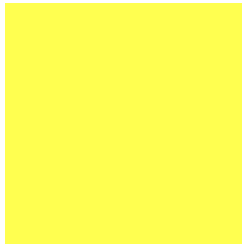
9.4315, 3.7726, 49.6657



0.9183, 0.3673, 4.8358

Previews

White Background



This preview shows how the XYZ color 78.4480, 93.3592, 21.4749 looks on a white background.

Color Contrast Check

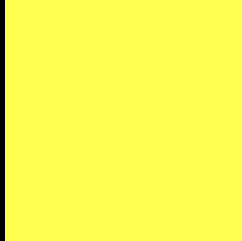
Large Text (above 18pt) WCAG AA × Fail

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 78.4480, 93.3592, 21.4749 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 78.4480, 93.3592, 21.4749

Background



This preview shows how black text looks on a background with the XYZ color 78.4480, 93.3592, 21.4749.



This preview shows how white text looks on a background with the XYZ color 78.4480, 93.3592,

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



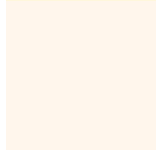
Original Color

78.4480, 93.3592, 21.4749



Protanopia

87.4190, 92.9488, 81.0436



Deuteranopia

89.3361, 93.2277, 92.6431



Tritanopia

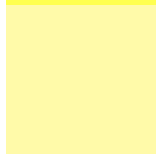
90.8460, 92.8635, 103.5788

Trichromacy



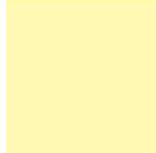
Original Color

78.4480, 93.3592, 21.4749



Protanomaly

82.5870, 92.4958, 51.0368



Deuteranomaly

83.2524, 92.2660, 56.0691



Tritanomaly

83.8845, 92.0256, 60.9185

Monochromacy



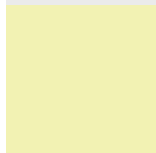
Original Color

78.4480, 93.3592, 21.4749



Achromatopsia

78.9647, 83.0770, 90.4708



Achromatomaly

76.5068, 85.6362, 55.1449

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.4480, 93.3592, 21.4749 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, 80)` looks like.

```
.text, #text, p{  
    color:rgb(255, 255, 80)  
}
```

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, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 255, 80) }
```

Border

The CSS property to change the border of an element to XYZ 78.4480, 93.3592, 21.4749 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, 80) }
```


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

```
.border{ border-color:rgb(255, 255, 80) }
```

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, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 255, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 255, 80);  
box-shadow:4px 4px 4px 4px rgb(255, 255,  
80) }
```

Background

The CSS property to change the background color of an element to XYZ 78.4480, 93.3592, 21.4749 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, 80) }
```

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

```
.background{ background-color: rgb(255,  
255, 80) }
```

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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