

Converting Colors

XYZ(78.3989, 93.3396, 21.2165)

Have a look what the booklet for
XYZ(78.3989, 93.3396, 21.2165)
contains.

XYZ(78.4113, 93.3445, 21.2817)	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(78.4113, 93.3445,
21.2817)**

Conversions

Conversions Part 1

Format	Color
Hex	FFFF4F
RGB	255, 255, 79
RGB Percent	100%, 100%, 31%
CMY	0.0000, 0.0000, 0.6902
CMYK	0.00, 0.00, 0.69, 0.00
HSL	60°, 100%, 65%
HSV	60°, 69%, 100%
XYZ	78.4113, 93.3445, 21.2817
YIQ	234.9360, 56.4960, -54.7360

Conversions

Conversions Part 2

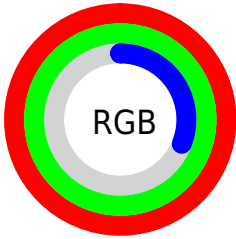
Format	Color
R_{YB}	79, 255, 79
Decimal	16777039
CIE Lab	97.37, -19.71, 79.39
CIE LCh	97, 81.803, 103.944
Yxy	93.3445, 0.4062, 0.4836
Android (android.graphics.Color)	4294967119 (0xFFFFFFFF4F)
YUV	234.9360, -76.8764, 17.5961
Hunter-Lab	96.6150, -24.2082, 54.5705

Details

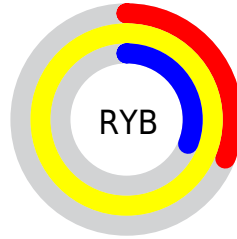
The XYZ color **78.4113, 93.3445, 21.2817** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **24.0714, 14.4754, 96.1331**, and the grayscale version is **79.4530, 83.5907, 91.0303**.

A 20% lighter version of the original color is **81.5874, 94.6150, 38.0072**, and **42.9291, 52.4489, 7.8611** is the 20% darker color. If you saturate the color by 10%, you get **77.6540, 93.0416, 17.2956**, and if you desaturate by 10%, it is **79.5243, 93.7897, 27.1438**.

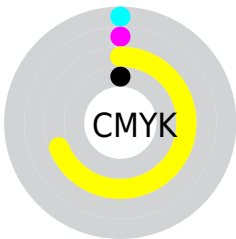
Distribution



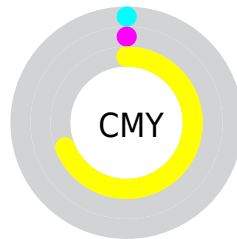
- Red (100%)
- Green (100%)
- Blue (31%)



- 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 78.4113, 93.3445, 21.2817 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 78.4113, 93.3445, 21.2817 by changing the saturation by 10% instead.


 78.4113, 93.3445,
21.2817

 78.4113, 93.3445,
21.2817


478.3810,
538.8514, 271.6019

 58.7159, 70.7579,
13.1368


 130.0921,
151.9755, 46.4428


 42.6299, 52.1446,
7.3910


 162.8081,
188.7886, 64.2960

 29.7881, 37.1204,
3.6257


 200.5951,
231.1127, 86.2225

 19.8251, 25.3007,
1.4223

 243.8183,
279.3322, 112.6407

 12.3755, 16.3012,
0.1590

292.8431,
333.8314, 143.9692

 7.0740, 9.7376,
0.0000

348.0350,

 3.5551, 5.2253,

394.9947, 180.6265

0.0000

409.7591,
463.2066, 223.0312

■ 1.4537, 2.3801,
0.0000

■ 0.2940, 0.8156,
0.0000

■ 78.4113, 93.3445,
21.2817

■ 78.4113, 93.3445,
21.2817

■ 77.6540, 93.0416,
17.2956

■ 79.5243, 93.7897,
27.1438

■ 77.2094, 92.8637,
14.9541


■ 81.0295, 94.3918,
35.0700


■ 77.0134, 92.7853,
13.9223

■ 82.9589, 95.1635,
45.2297

■ 76.9997, 92.7798,
13.8500

■ 85.3410, 96.1164,
57.7738

 88.2021, 97.2608,
72.8399

 91.5663, 98.6065,
90.5554

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.



101.6241, 93.3445, 21.7139



78.4113, 93.3445, 21.2817



61.2533, 93.3445, 34.6615

Triad

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



78.4113, 93.3445, 21.2817



60.3506, 93.3445, 218.4004



138.7985, 93.3445, 141.1730

Complementary

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



78.4113, 93.3445, 21.2817



24.0714, 14.4754, 96.1331

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.



123.3733, 93.3445, 223.9858



78.4113, 93.3445, 21.2817



76.9594, 93.3445, 280.2012

Square

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



78.4113, 93.3445, 21.2817



52.1223, 93.3445, 135.5922



99.8973, 93.3445, 282.6015



139.3722, 93.3445, 73.8828

Rectangle

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



78.4113, 93.3445, 21.2817



54.4105, 93.3445, 55.2568



99.8973, 93.3445, 282.6015



135.0718, 93.3445, 168.6243

Sweetspot

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



78.4113, 93.3445, 21.2829



87.5956, 97.0182, 69.6459



45.4479, 27.4175, 10.2950



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.



78.4113, 93.3445, 21.2829



77.4422, 92.9569, 16.1801



53.1085, 80.3004, 20.0987



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.



24.0714, 14.4754, 96.1331



19.9377, 9.4945, 95.3895



36.7834, 21.0287, 96.7280



17.0031, 17.3778, 22.7080



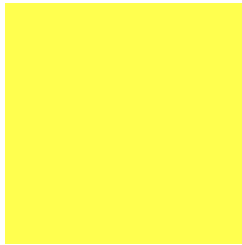
9.4315, 3.7726, 49.6657



0.9183, 0.3673, 4.8358

Previews

White Background



This preview shows how the XYZ color 78.4113, 93.3445, 21.2817 looks on a white background.

Color Contrast Check

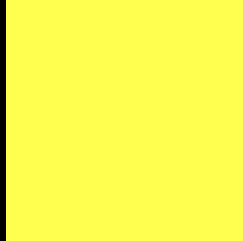
Large Text (above 18pt) WCAG AA × Fail

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 78.4113, 93.3445, 21.2817 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

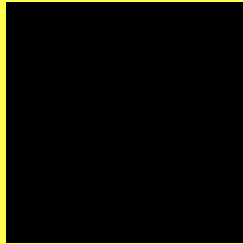
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 78.4113, 93.3445, 21.2817

Background



This preview shows how black text looks on a background with the XYZ color 78.4113, 93.3445, 21.2817.



This preview shows how white text looks on a background with the XYZ color 78.4113, 93.3445,

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



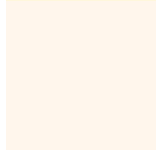
Original Color

78.4113, 93.3445, 21.2817



Protanopia

87.4190, 92.9488, 81.0436



Deuteranopia

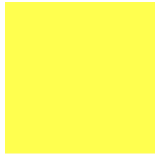
89.3361, 93.2277, 92.6431



Tritanopia

90.8460, 92.8635, 103.5788

Trichromacy



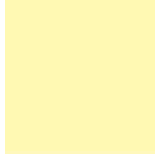
Original Color

78.4113, 93.3445, 21.2817



Protanomaly

82.5870, 92.4958, 51.0368



Deuteranomaly

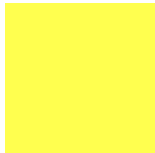
83.2524, 92.2660, 56.0691



Tritanomaly

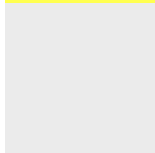
83.8845, 92.0256, 60.9185

Monochromacy



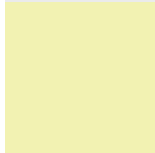
Original Color

78.4113, 93.3445, 21.2817



Achromatopsia

78.9647, 83.0770, 90.4708



Achromatomaly

76.4060, 85.5959, 54.6141

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.4113, 93.3445, 21.2817 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, 79)` looks like.

```
.text, #text, p{  
    color:rgb(255, 255, 79)  
}
```

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, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 255, 79) }
```

Border

The CSS property to change the border of an element to XYZ 78.4113, 93.3445, 21.2817 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, 79) }
```


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

```
.border{ border-color:rgb(255, 255, 79) }
```

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, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 255, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 255, 79);  
box-shadow:4px 4px 4px 4px rgb(255, 255,  
79) }
```

Background

The CSS property to change the background color of an element to XYZ 78.4113, 93.3445, 21.2817 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, 79) }
```

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

```
.background{ background-color: rgb(255,  
255, 79) }
```

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