

Converting Colors

XYZ(94.5063, 100.0000,
21.7874)

Have a look what the booklet for
XYZ(94.5063, 100.0000, 21.7874)
contains.

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Color

**XYZ(77.4617, 91.4453,
20.9652)**

Conversions

Conversions Part 1

Format	Color
Hex	FFFC4F
RGB	255, 252, 79
RGB Percent	100%, 99%, 31%
CMY	0.0000, 0.0117, 0.6902
CMYK	0.00, 0.01, 0.69, 0.00
HSL	59°, 100%, 65%
HSV	59°, 69%, 100%
XYZ	77.4617, 91.4453, 20.9652
YIQ	233.1750, 57.3210, -53.1670

Conversions

Conversions Part 2

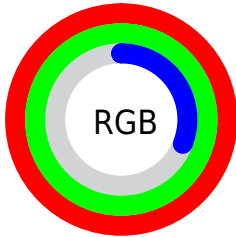
Format	Color
R _Y B	82, 255, 79
Decimal	16776271
CIE Lab	96.59, -18.28, 78.64
CIE LCh	97, 80.732, 103.084
Yxy	91.4453, 0.4080, 0.4816
Android (android.graphics.Color)	4294966351 (0xFFFFFC4F)
YUV	233.1750, -76.0083, 19.1405
Hunter-Lab	95.6270, -22.7552, 53.9402

Details

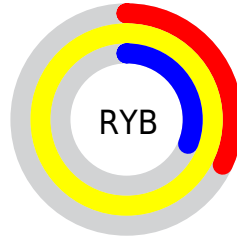
The XYZ color **77.4617, 91.4453, 20.9652** is a light color, and the websafe version is hex **FFFF66**. The color can be described as light washed yellow. A complement of this color would be **24.2921, 14.9169, 96.2061**, and the grayscale version is **78.1108, 82.1787, 89.4926**.

A 20% lighter version of the original color is **81.5874, 94.6150, 38.0072**, and **42.2456, 51.0820, 7.6332** is the 20% darker color. If you saturate the color by 10%, you get **76.5706, 90.8746, 16.9344**, and if you desaturate by 10%, it is **78.7131, 92.1674, 26.8734**.

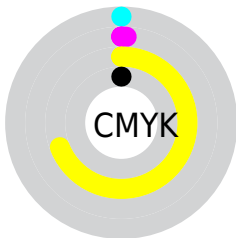
Distribution



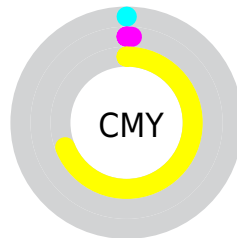
- Red (100%)
- Green (99%)
- Blue (31%)



- Red (32%)
- Yellow (100%)
- Blue (31%)



- Cyan (0%)
- Magenta (1%)
- Yellow (69%)
- Black (0%)



- Cyan (0%)
- Magenta (1%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.4617, 91.4453, 20.9652 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 77.4617, 91.4453, 20.9652 by changing the saturation by 10% instead.

77.4617, 91.4453,
20.9652

77.4617, 91.4453,
20.9652

475.2046,
532.7212, 269.8685

57.9331, 69.1800,
12.9076

128.7604,
149.3444, 45.9096

41.9979, 50.8583,
7.2350

161.2612,
185.7469, 63.6336

29.2908, 36.0959,
3.5288

198.8169,
227.6307, 85.4166

19.4463, 24.5082,
1.3706

241.7927,
275.3800, 111.6774

12.0991, 15.7111,
0.1186

290.5540,
329.3793, 142.8344

6.8839, 9.3199,
0.0000

345.4662,

3.4353, 4.9504,

390.0130, 179.3063

0.0000

406.8946,
457.6655, 221.5114

■ 1.3879, 2.2182,
0.0000

■ 0.2476, 0.7299,
0.0000

■ 77.4617, 91.4453,
20.9652

■ 77.4617, 91.4453,
20.9652

■ 76.5706, 90.8746,
16.9344

■ 78.7131, 92.1674,
26.8734

■ 75.9903, 90.4254,
14.5477


■ 80.3549, 93.0428,
34.8451

■ 75.6589, 90.0762,
13.4708

■ 82.4212, 94.0884,
45.0504

■ 75.6319, 90.0441,
13.3940

■ 84.9406, 95.3158,
57.6402

 87.9392, 96.7353,
72.7521

 91.4413, 98.3568,
90.5135

95.0498, 99.9999,
108.9000

Harmonies

Analogous

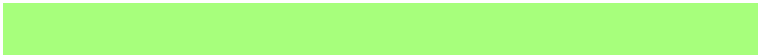
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



100.1576, 91.4453, 21.7353



77.4617, 91.4453, 20.9652



60.5266, 91.4453, 33.6081

Triad

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



77.4617, 91.4453, 20.9652



58.9296, 91.4453, 210.8099



135.3699, 91.4453, 140.2636

Complementary

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



77.4617, 91.4453, 20.9652



24.2921, 14.9169, 96.2061

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.



120.0388, 91.4453, 220.6428



77.4617, 91.4453, 20.9652



74.8962, 91.4453, 271.9777

Square

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



77.4617, 91.4453, 20.9652



51.1426, 91.4453, 130.4213



97.1099, 91.4453, 276.2001



136.3809, 91.4453, 74.0107

Rectangle

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



77.4617, 91.4453, 20.9652



53.6925, 91.4453, 53.2566



97.1099, 91.4453, 276.2001



131.6134, 91.4453, 167.0532

Sweetspot

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



77.4638, 91.4496, 20.9671



87.3059, 96.4387, 69.5493



45.6708, 27.5066, 11.4700



18.5051, 20.5560, 13.9684



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.



77.4638, 91.4496, 20.9671



76.3051, 90.6823, 15.8010



54.3760, 80.9535, 20.1580



19.5332, 21.0346, 19.1749



39.5316, 47.0744, 7.0027



3.8572, 4.5998, 0.6845

Inverse Universe

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



24.2921, 14.9169, 96.2061



20.0755, 9.7701, 95.4355



35.5718, 20.4041, 96.6707



17.0278, 17.4272, 22.7163



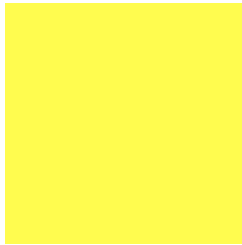
9.4668, 3.8432, 49.6774



0.9301, 0.3909, 4.8397

Previews

White Background



This preview shows how the XYZ color 77.4617, 91.4453, 20.9652 looks on a white background.

Color Contrast Check

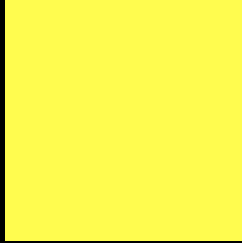
Large Text (above 18pt) WCAG AA × Fail

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 77.4617, 91.4453, 20.9652 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

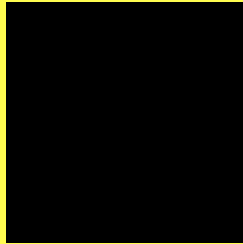
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 77.4617, 91.4453, 20.9652

Background



This preview shows how black text looks on a background with the XYZ color 77.4617, 91.4453, 20.9652.



This preview shows how white text looks on a background with the XYZ color 77.4617, 91.4453,

Color Blindness Simulation

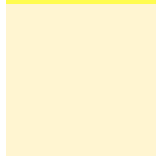
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



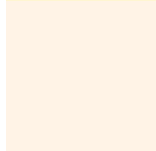
Original Color

77.4617, 91.4453, 20.9652



Protanopia

85.4010, 91.1683, 73.4177



Deuteranopia

87.5735, 91.0744, 87.8264



Tritanopia

89.6386, 90.9479, 101.6372

Trichromacy



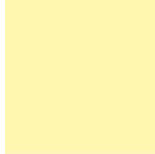
Original Color

77.4617, 91.4453, 20.9652



Protanomaly

81.3290, 91.0034, 47.4613



Deuteranomaly

81.9336, 90.2667, 53.6623



Tritanomaly

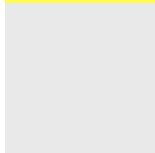
82.8620, 90.1527, 60.0476

Monochromacy



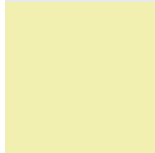
Original Color

77.4617, 91.4453, 20.9652



Achromatopsia

77.4512, 81.4847, 88.7368



Achromatomaly

75.3715, 84.1953, 53.8738

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.4617, 91.4453, 20.9652 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, 252, 79)` looks like.

```
.text, #text, p{  
    color:rgb(255, 252, 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, 252, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 252, 79) }
```

Border

The CSS property to change the border of an element to XYZ 77.4617, 91.4453, 20.9652 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, 252, 79) }
```


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

```
.border{ border-color:rgb(255, 252, 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, 252, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 252, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 252, 79);  
box-shadow:4px 4px 4px 4px rgb(255, 252,  
79) }
```

Background

The CSS property to change the background color of an element to XYZ 77.4617, 91.4453, 20.9652 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 252, 79) }
```

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

```
.background{ background-color: rgb(255,  
252, 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](#).

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