

Converting Colors

XYZ(94.4435, 100.0000,
21.5708)

Have a look what the booklet for
XYZ(94.4435, 100.0000, 21.5708)
contains.

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Color

**XYZ(77.4255, 91.4309,
20.7749)**

Conversions

Conversions Part 1

Format	Color
Hex	FFFC4E
RGB	255, 252, 78
RGB Percent	100%, 99%, 31%
CMY	0.0000, 0.0117, 0.6941
CMYK	0.00, 0.01, 0.69, 0.00
HSL	59°, 100%, 65%
HSV	59°, 69%, 100%
XYZ	77.4255, 91.4309, 20.7749
YIQ	233.0610, 57.6420, -53.4780

Conversions

Conversions Part 2

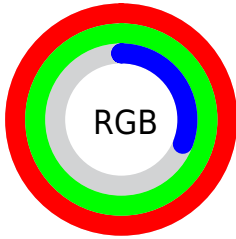
Format	Color
R _Y B	81, 255, 78
Decimal	16776270
CIE Lab	96.59, -18.32, 78.98
CIE LCh	97, 81.075, 103.062
Yxy	91.4309, 0.4083, 0.4822
Android (android.graphics.Color)	4294966350 (0xFFFFFC4E)
YUV	233.0610, -76.4451, 19.2405
Hunter-Lab	95.6195, -22.7982, 54.0519

Details

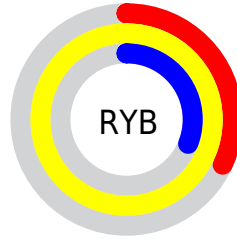
The XYZ color **77.4255, 91.4309, 20.7749** is a light color, and the websafe version is hex **FFFF66**. The color can be described as light washed yellow. A complement of this color would be **24.1345, 14.7245, 96.1770**, and the grayscale version is **78.0277, 82.0912, 89.3973**.

A 20% lighter version of the original color is **81.5154, 94.5861, 37.6275**, and **42.2456, 51.0820, 7.6332** is the 20% darker color. If you saturate the color by 10%, you get **76.5483, 90.8671, 16.8135**, and if you desaturate by 10%, it is **78.6614, 92.1456, 26.6055**.

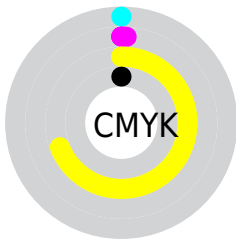
Distribution



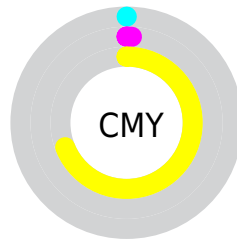
- Red (100%)
- Green (99%)
- Blue (31%)



- 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 77.4255, 91.4309, 20.7749 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 77.4255, 91.4309, 20.7749 by changing the saturation by 10% instead.


 77.4255, 91.4309,
20.7749


 77.4255, 91.4309,
20.7749


475.0833,
532.6746, 268.8214

 57.9033, 69.1680,
12.7699


 128.7096,
149.3244, 45.5885


 41.9739, 50.8486,
7.1414


 161.2022,
185.7238, 63.2342

 29.2719, 36.0881,
3.4709


 198.7490,
227.6042, 84.9306

 19.4319, 24.5023,
1.3398

 241.7154,
275.3500, 111.0962

 12.0886, 15.7066,
0.0941

290.4666,
329.3455, 142.1496

 6.8767, 9.3168,
0.0000

345.3681,

 3.4307, 4.9484,

389.9752, 178.5092

0.0000

406.7852,
457.6234, 220.5936

■ 1.3854, 2.2170,
0.0000

■ 0.2458, 0.7292,
0.0000

■ 77.4255, 91.4309,
20.7749

■ 77.4255, 91.4309,
20.7749

■ 76.5483, 90.8671,
16.8135

■ 78.6614, 92.1456,
26.6055

■ 75.9800, 90.4239,
14.4863

■ 80.2865, 93.0129,
34.4927

■ 75.6557, 90.0788,
13.4427

■ 82.3347, 94.0501,
44.6072

■ 75.6395, 90.0596,
13.3966

■ 84.8350, 95.2685,
57.1005

■ 87.8136, 96.6788,
72.1108

■ 91.2947, 98.2905,
89.7657

95.0496, 99.9998,
108.9000

Harmonies

Analogous

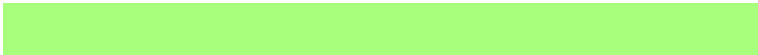
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



100.2188, 91.4309, 21.5525



77.4255, 91.4309, 20.7749



60.4267, 91.4309, 33.3988

Triad

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



77.4255, 91.4309, 20.7749



58.8068, 91.4309, 211.3200



135.5814, 91.4309, 140.4939

Complementary

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



77.4255, 91.4309, 20.7749



24.1345, 14.7245, 96.1770

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.



120.1626, 91.4309, 221.3258



77.4255, 91.4309, 20.7749



74.8210, 91.4309, 272.9054

Square

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



77.4255, 91.4309, 20.7749



51.0047, 91.4309, 130.4897



97.1225, 91.4309, 277.2041



136.6095, 91.4309, 73.9382

Rectangle

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



77.4255, 91.4309, 20.7749



53.5692, 91.4309, 53.0615



97.1225, 91.4309, 277.2041



131.8016, 91.4309, 167.4279

Sweetspot

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



77.4276, 91.4352, 20.7768



87.3075, 96.4420, 69.5499



45.5610, 27.3481, 11.2456



18.5055, 20.5569, 13.9686



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.



77.4276, 91.4352, 20.7768



76.3117, 90.6954, 15.8032



54.2368, 80.8858, 19.9628



19.5334, 21.0349, 19.1750



39.5356, 47.0825, 7.0041



3.8575, 4.6005, 0.6847

Inverse Universe

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



24.1345, 14.7245, 96.1770



20.0746, 9.7685, 95.4352



35.3927, 20.2055, 96.6416



17.0276, 17.4269, 22.7162



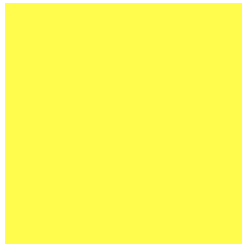
9.4666, 3.8428, 49.6774



0.9300, 0.3907, 4.8397

Previews

White Background



This preview shows how the XYZ color 77.4255, 91.4309, 20.7749 looks on a white background.

Color Contrast Check

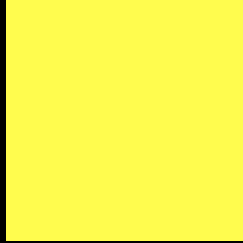
Large Text (above 18pt) WCAG AA × Fail

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 77.4255, 91.4309, 20.7749 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

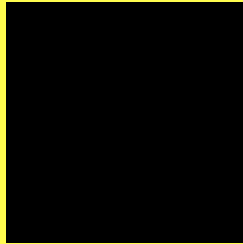
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 77.4255, 91.4309, 20.7749

Background



This preview shows how black text looks on a background with the XYZ color 77.4255, 91.4309, 20.7749.



This preview shows how white text looks on a background with the XYZ color 77.4255, 91.4309,

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



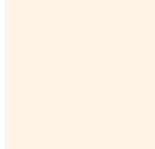
Original Color

77.4255, 91.4309, 20.7749



Protanopia

85.2776, 91.1189, 72.7676



Deuteranopia

87.5735, 91.0744, 87.8264



Tritanopia

89.6386, 90.9479, 101.6372

Trichromacy



Original Color

77.4255, 91.4309, 20.7749



Protanomaly

81.2404, 90.9680, 46.9950



Deuteranomaly

81.9336, 90.2667, 53.6623



Tritanomaly

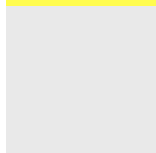
82.7553, 90.1100, 59.4857

Monochromacy



Original Color

77.4255, 91.4309, 20.7749



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 77.4255, 91.4309, 20.7749 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, 78)` looks like.

```
.text, #text, p{  
    color:rgb(255, 252, 78)  
}
```

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, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 252, 78) }
```

Border

The CSS property to change the border of an element to XYZ 77.4255, 91.4309, 20.7749 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, 78) }
```


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

```
.border{ border-color:rgb(255, 252, 78) }
```

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, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 252, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 252, 78);  
box-shadow:4px 4px 4px 4px rgb(255, 252,  
78) }
```

Background

The CSS property to change the background color of an element to XYZ 77.4255, 91.4309, 20.7749 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, 78) }
```

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

```
.background{ background-color: rgb(255,  
252, 78) }
```

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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