

Converting Colors

XYZ(77.1673, 90.9895, 20.4587)

Have a look what the booklet for
XYZ(77.1673, 90.9895, 20.4587)
contains.

XYZ(77.0767, 90.7902, 20.4831)	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(77.0767, 90.7902,
20.4831)**

Conversions

Conversions Part 1

Format	Color
Hex	FFFB4D
RGB	255, 251, 77
RGB Percent	100%, 98%, 30%
CMY	0.0000, 0.0157, 0.6980
CMYK	0.00, 0.02, 0.70, 0.00
HSL	59°, 100%, 65%
HSV	59°, 70%, 100%
XYZ	77.0767, 90.7902, 20.4831
YIQ	232.3600, 58.2380, -53.2660

Conversions

Conversions Part 2

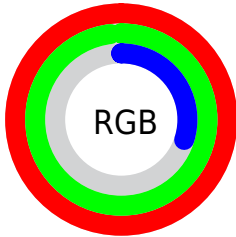
Format	Color
RYB	81, 255, 77
Decimal	16776013
CIELab	96.32, -17.89, 79.06
CIELCh	96, 81.063, 102.750
Yxy	90.7902, 0.4092, 0.4820
Android (android.graphics.Color)	4294966093 (0xFFFFFB4D)
YUV	232.3600, -76.5925, 19.8553
Hunter-Lab	95.2839, -22.3552, 53.9532

Details

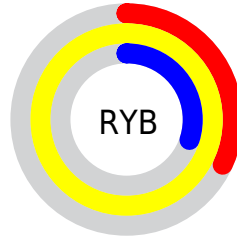
The XYZ color **77.0767, 90.7902, 20.4831** is a light color, and the websafe version is hex **FFFF66**. The color can be described as light washed yellow. A complement of this color would be **24.0533, 14.6826, 96.1733**, and the grayscale version is **77.4997, 81.5358, 88.7924**.

A 20% lighter version of the original color is **81.4439, 94.5576, 37.2514**, and **42.0208, 50.6323, 7.5583** is the 20% darker color. If you saturate the color by 10%, you get **76.1694, 90.1452, 16.5760**, and if you desaturate by 10%, it is **78.3414, 91.5858, 26.2512**.

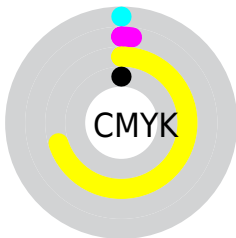
Distribution



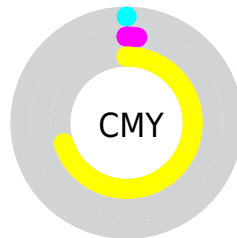
- Red (100%)
- Green (98%)
- Blue (30%)



- Red (32%)
- Yellow (100%)
- Blue (30%)



- Cyan (0%)
- Magenta (2%)
- Yellow (70%)
- Black (0%)



- Cyan (0%)
- Magenta (2%)
- Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.0767, 90.7902, 20.4831 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 77.0767, 90.7902, 20.4831 by changing the saturation by 10% instead.

77.0767, 90.7902,
20.4831

77.0767, 90.7902,
20.4831

473.9134,
530.5980, 267.2088

57.6160, 68.6362,
12.5591

128.2200,
148.4355, 45.0952

41.7421, 50.4155,
6.9985

160.6333,
184.6957, 62.6205

29.0896, 35.7437,
3.3828

198.0948,
226.4267, 84.1833

19.2932, 24.2363,
1.2932

240.9700,
274.0129, 110.2021

11.9876, 15.5090,
0.0562

289.6240,
327.8387, 141.0955

6.8074, 9.1774,
0.0000

344.4224,

3.3872, 4.8571,

388.2886, 177.2821

0.0000

405.7304,
455.7469, 219.1803

■ 1.3617, 2.1636,
0.0000

■ 0.2287, 0.7001,
0.0000

■ 77.0767, 90.7902,
20.4831

■ 77.0767, 90.7902,
20.4831

■ 76.1694, 90.1452,
16.5760

■ 78.3414, 91.5858,
26.2512

■ 75.5693, 89.6206,
14.2932


■ 79.9941, 92.5341,
34.0689


■ 75.2082, 89.1924,
13.2665

■ 82.0691, 93.6521,
44.1078

■ 75.2019, 89.1843,
13.2507

■ 84.5953, 94.9515,
56.5198

 87.5990, 96.4428,
71.4438

 91.1046, 98.1356,
89.0076

95.0497, 99.9998,
108.9000

Harmonies

Analogous

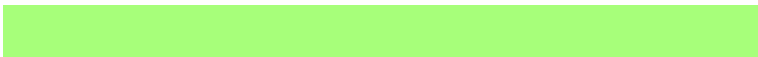
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



99.7959, 90.7902, 21.3794



77.0767, 90.7902, 20.4831



60.0884, 90.7902, 32.8470

Triad

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



77.0767, 90.7902, 20.4831



58.2172, 90.7902, 209.3271



134.6602, 90.7902, 140.4259

Complementary

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



77.0767, 90.7902, 20.4831



24.0533, 14.6826, 96.1733

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.



119.1861, 90.7902, 220.9014



77.0767, 90.7902, 20.4831



74.0672, 90.7902, 271.1132

Square

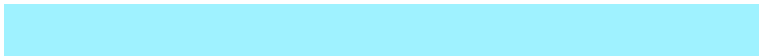
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.0767, 90.7902, 20.4831



50.5454, 90.7902, 128.8594



96.2169, 90.7902, 276.0870



135.8489, 90.7902, 73.9122

Rectangle

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



77.0767, 90.7902, 20.4831



53.2105, 90.7902, 52.2135



96.2169, 90.7902, 276.0870



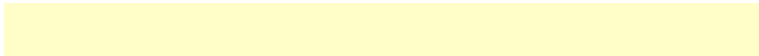
130.8477, 90.7902, 167.2842

Sweetspot

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



77.0788, 90.7944, 20.4850



87.2137, 96.2543, 69.5186



45.4530, 27.1921, 11.0243



18.4828, 20.5114, 13.9610



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.



77.0788, 90.7944, 20.4850



75.8832, 89.9117, 15.4348



54.0987, 80.8187, 19.7706



19.5242, 21.0167, 19.1719



39.3107, 46.6327, 6.9291



3.8382, 4.5618, 0.6782

Inverse Universe

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



24.0533, 14.6826, 96.1733



19.9181, 9.6105, 95.4130



35.2153, 20.0094, 96.6131



17.0357, 17.4430, 22.7189



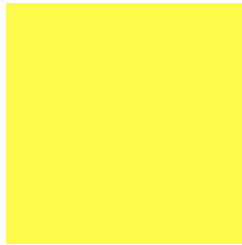
9.4781, 3.8657, 49.6812



0.9338, 0.3984, 4.8409

Previews

White Background



This preview shows how the XYZ color 77.0767, 90.7902, 20.4831 looks on a white background.

Color Contrast Check

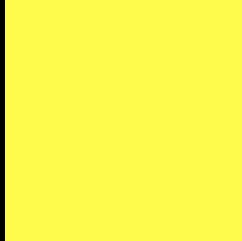
Large Text (above 18pt) WCAG AA × Fail

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 77.0767, 90.7902, 20.4831 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 77.0767, 90.7902, 20.4831

Background



This preview shows how black text looks on a background with the XYZ color 77.0767, 90.7902, 20.4831.

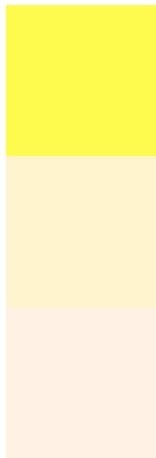


This preview shows how white text looks on a background with the XYZ color 77.0767, 90.7902,

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

77.0767, 90.7902, 20.4831

Protanopia

84.6101, 90.3691, 70.7412

Deuteranopia

86.9957, 90.3657, 86.2559



Tritanopia

89.3434, 90.3575, 101.5388

Trichromacy



Original Color

77.0767, 90.7902, 20.4831



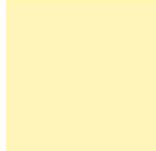
Protanomaly

80.6723, 90.2502, 45.5159



Deuteranomaly

81.4352, 89.5819, 52.5341



Tritanomaly

82.4536, 89.5065, 59.3851

Monochromacy



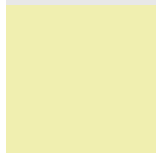
Original Color

77.0767, 90.7902, 20.4831



Achromatopsia

76.7008, 80.6952, 87.8771



Achromatomaly

74.6382, 83.3929, 53.2369

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.0767, 90.7902, 20.4831 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, 251, 77)` looks like.

```
.text, #text, p{  
    color:rgb(255, 251, 77)  
}
```

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, 251, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 251, 77) }
```

Border

The CSS property to change the border of an element to XYZ 77.0767, 90.7902, 20.4831 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, 251, 77) }
```


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

```
.border{ border-color:rgb(255, 251, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 251, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 251, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 251, 77);  
box-shadow:4px 4px 4px 4px rgb(255, 251,  
77) }
```

Background

The CSS property to change the background color of an element to XYZ 77.0767, 90.7902, 20.4831 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 251, 77) }
```

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

```
.background{ background-color: rgb(255,  
251, 77) }
```

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