

Converting Colors

XYZ(95.9081, 100.0000,
21.9877)

Have a look what the booklet for
XYZ(95.9081, 100.0000, 21.9877)
contains.

XYZ(76.9108, 90.2253, 21.1462)	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(76.9108, 90.2253,
21.1462)**

Conversions

Conversions Part 1

Format	Color
Hex	FFFA51
RGB	255, 250, 81
RGB Percent	100%, 98%, 32%
CMY	0.0000, 0.0196, 0.6823
CMYK	0.00, 0.02, 0.68, 0.00
HSL	58°, 100%, 66%
HSV	58°, 68%, 100%
XYZ	76.9108, 90.2253, 21.1462
YIQ	232.2290, 57.2290, -51.4990

Conversions

Conversions Part 2

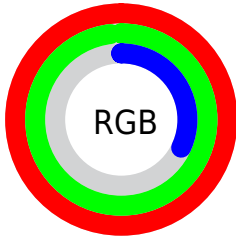
Format	Color
R _Y B	86, 255, 81
Decimal	16775761
CIE Lab	96.09, -17.22, 77.44
CIE LCh	96, 79.329, 102.536
Yxy	90.2253, 0.4085, 0.4792
Android (android.graphics.Color)	4294965841 (0xFFFFFA51)
YUV	232.2290, -74.5559, 19.9702
Hunter-Lab	94.9870, -21.6961, 53.2916

Details

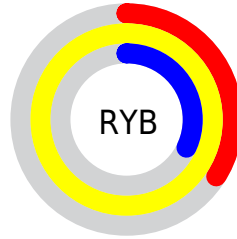
The XYZ color **76.9108, 90.2253, 21.1462** is a light color, and the websafe version is hex **FFFF66**. The color can be described as light muted yellow. A complement of this color would be **24.7714, 15.6248, 96.3174**, and the grayscale version is **77.3868, 81.4170, 88.6631**.

A 20% lighter version of the original color is **81.6602, 94.6441, 38.3903**, and **41.7975, 50.1857, 7.4838** is the 20% darker color. If you saturate the color by 10%, you get **75.9023, 89.4622, 16.9458**, and if you desaturate by 10%, it is **78.2832, 91.1421, 27.2402**.

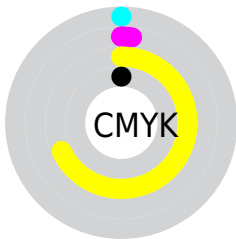
Distribution



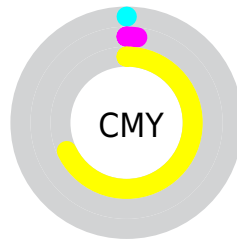
- Red (100%)
- Green (98%)
- Blue (32%)



- Red (34%)
- Yellow (100%)
- Blue (32%)



- Cyan (0%)
- Magenta (2%)
- Yellow (68%)
- Black (0%)



- Cyan (0%)
- Magenta (2%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 76.9108, 90.2253, 21.1462 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 76.9108, 90.2253, 21.1462 by changing the saturation by 10% instead.

76.9108, 90.2253,
21.1462

76.9108, 90.2253,
21.1462

473.3564,
528.7635, 270.8610

57.4793, 68.1675,
13.0386

127.9871,
147.6513, 46.2147

41.6318, 50.0340,
7.3241

160.3626,
183.7883, 64.0126

29.0030, 35.4404,
3.5841

197.7835,
225.3872, 85.8778

19.2274, 24.0023,
1.4001

240.6152,
272.8324, 112.2288

11.9397, 15.3354,
0.1418

289.2229,
326.5082, 143.4840

6.7745, 9.0551,
0.0000

343.9722,

3.3666, 4.7771,

386.7990, 180.0621

0.0000

405.2282,
454.0893, 222.3816

■ 1.3504, 2.1171,
0.0000

■ 0.2205, 0.6742,
0.0000

■ 76.9108, 90.2253,
21.1462

■ 76.9108, 90.2253,
21.1462

■ 75.9023, 89.4622,
16.9458

■ 78.2832, 91.1421,
27.2402

■ 75.2089, 88.8231,
14.4094


■ 80.0492, 92.2145,
35.4120

■ 74.7740, 88.2889,
13.2299

■ 82.2426, 93.4592,
45.8299

■ 74.7096, 88.1996,
13.0866

■ 84.8918, 94.8876,
58.6437

 88.0228, 96.5101,
73.9902

 91.6597, 98.3365,
91.9959

95.0497, 99.9999,
108.9000

Harmonies

Analogous

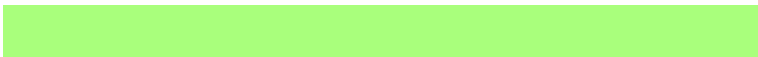
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



99.0685, 90.2253, 22.1281



76.9108, 90.2253, 21.1462



60.2516, 90.2253, 33.3416

Triad

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



76.9108, 90.2253, 21.1462



58.2444, 90.2253, 204.8221



132.6915, 90.2253, 139.2026

Complementary

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



76.9108, 90.2253, 21.1462



24.7714, 15.6248, 96.3174

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.



117.6011, 90.2253, 217.0633



76.9108, 90.2253, 21.1462



73.6937, 90.2253, 264.7241

Square

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



76.9108, 90.2253, 21.1462



50.7777, 90.2253, 126.9068



95.2556, 90.2253, 269.9722



133.9531, 90.2253, 74.2521

Rectangle

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



76.9108, 90.2253, 21.1462



53.4708, 90.2253, 52.3420



95.2556, 90.2253, 269.9722



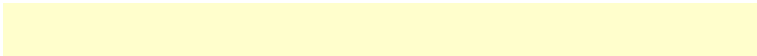
128.9631, 90.2253, 165.2628

Sweetspot

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



76.9129, 90.2295, 21.1480



87.4340, 96.2095, 71.0888



45.8950, 27.8305, 11.9282



18.5207, 20.4930, 14.2642



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.



76.9129, 90.2295, 21.1480



75.6070, 89.2080, 15.8084



54.6567, 81.0897, 20.5569



19.5139, 20.9960, 19.1685



39.0577, 46.1266, 6.8448



3.8165, 4.5183, 0.6710

Inverse Universe

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



24.7714, 15.6248, 96.3174



20.3957, 10.2456, 95.5104



35.9343, 20.8083, 96.7296



17.0448, 17.4612, 22.7219



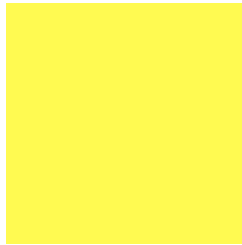
9.4911, 3.8917, 49.6855



0.9382, 0.4070, 4.8424

Previews

White Background



This preview shows how the XYZ color 76.9108, 90.2253, 21.1462 looks on a white background.

Color Contrast Check

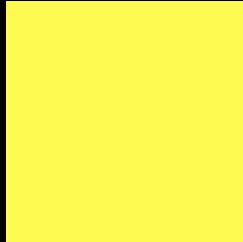
Large Text (above 18pt) WCAG AA × Fail

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 76.9108, 90.2253, 21.1462 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 76.9108, 90.2253, 21.1462

Background



This preview shows how black text looks on a background with the XYZ color 76.9108, 90.2253, 21.1462.



This preview shows how white text looks on a background with the XYZ color 76.9108, 90.2253,

Color Blindness Simulation

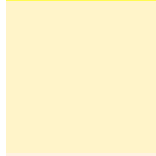
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

76.9108, 90.2253, 21.1462



Protanopia

84.1333, 90.1784, 68.2302



Deuteranopia

86.7196, 90.2552, 84.8019



Tritanopia

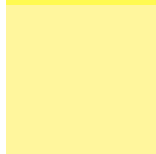
89.1886, 90.2956, 100.7237

Trichromacy



Original Color

76.9108, 90.2253, 21.1462



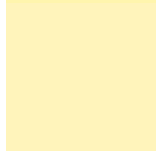
Protanomaly

80.2816, 89.6059, 44.9627



Deuteranomaly

81.4352, 89.5819, 52.5341



Tritanomaly

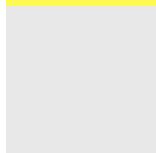
82.5603, 89.5492, 59.9470

Monochromacy



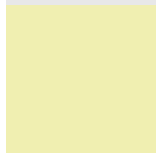
Original Color

76.9108, 90.2253, 21.1462



Achromatopsia

76.7008, 80.6952, 87.8771



Achromatomaly

74.7375, 83.4326, 53.7600

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.9108, 90.2253, 21.1462 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, 250, 81)` looks like.

```
.text, #text, p{  
    color:rgb(255, 250, 81)  
}
```

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, 250, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 250, 81) }
```

Border

The CSS property to change the border of an element to XYZ 76.9108, 90.2253, 21.1462 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, 250, 81) }
```


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

```
.border{ border-color:rgb(255, 250, 81) }
```

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

Here you see how a box with a 4 pixel rgb(255, 250, 81) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 250, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 250, 81);  
box-shadow:4px 4px 4px 4px rgb(255, 250,  
81) }
```

Background

The CSS property to change the background color of an element to XYZ 76.9108, 90.2253, 21.1462 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 250, 81) }
```

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

```
.background{ background-color: rgb(255,  
250, 81) }
```

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