

Converting Colors

XYZ(96.1964, 100.0000,
29.7240)

Have a look what the booklet for
XYZ(96.1964, 100.0000, 29.7240)
contains.

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Color

**XYZ(78.4062, 90.8235,
29.0210)**

Conversions

Conversions Part 1

Format	Color
Hex	FFFA71
RGB	255, 250, 113
RGB Percent	100%, 98%, 44%
CMY	0.0000, 0.0196, 0.5568
CMYK	0.00, 0.02, 0.56, 0.00
HSL	58°, 100%, 72%
HSV	58°, 56%, 100%
XYZ	78.4062, 90.8235, 29.0210
YIQ	235.8770, 46.9570, -41.5470

Conversions

Conversions Part 2

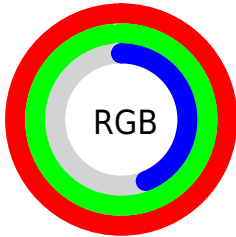
Format	Color
R _Y B	118, 255, 113
Decimal	16775793
CIE Lab	96.34, -15.28, 64.97
CIE LCh	96, 66.748, 103.237
Yxy	90.8235, 0.3955, 0.4581
Android (android.graphics.Color)	4294965873 (0xFFFFFA71)
YUV	235.8770, -60.5784, 16.7709
Hunter-Lab	95.3014, -19.9221, 48.6561

Details

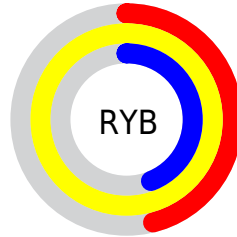
The XYZ color **78.4062, 90.8235, 29.0210** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **31.3384, 23.6869, 97.5275**, and the grayscale version is **80.0606, 84.2300, 91.7265**.

A 20% lighter version of the original color is **84.1614, 95.6446, 51.5616**, and **42.7953, 50.6147, 11.3850** is the 20% darker color. If you saturate the color by 10%, you get **76.8905, 89.7759, 22.4011**, and if you desaturate by 10%, it is **80.3308, 92.0435, 37.7687**.

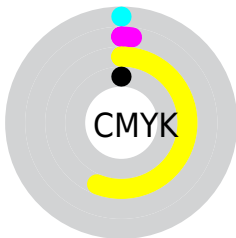
Distribution



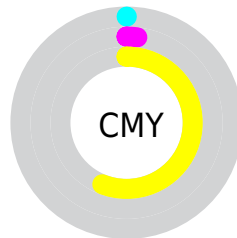
- Red (100%)
- Green (98%)
- Blue (44%)



- Red (46%)
- Yellow (100%)
- Blue (44%)



- Cyan (0%)
- Magenta (2%)
- Yellow (56%)
- Black (0%)



- Cyan (0%)
- Magenta (2%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 78.4062, 90.8235, 29.0210 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 78.4062, 90.8235, 29.0210 by changing the saturation by 10% instead.

78.4062, 90.8235,
29.0210

78.4062, 90.8235,
29.0210

478.3640,
530.7060, 311.3781

58.7117, 68.6639,
18.8510

130.0849,
148.4817, 59.1530

42.6265, 50.4380,
11.3869

162.7998,
184.7491, 79.9521

29.7854, 35.7615,
6.2103

200.5855,
226.4879, 105.1314

19.8230, 24.2501,
2.9025

243.8074,
274.0824, 135.1092

12.3740, 15.5192,
1.0451

292.8309,
327.9171, 170.3043

7.0729, 9.1846,
0.0000

348.0212,

3.5545, 4.8618,

388.3763, 211.1351

0.0000

409.7438,
455.8445, 258.0202

■ 1.4533, 2.1664,
0.0000

■ 0.2937, 0.7016,
0.0000

■ 78.4062, 90.8235,
29.0210

■ 78.4062, 90.8235,
29.0210

■ 76.8905, 89.7759,
22.4011

■ 80.3308, 92.0435,
37.7687

■ 75.7425, 88.8741,
17.7204


■ 82.6885, 93.4356,
48.8004


■ 74.9238, 88.1061,
14.7670

■ 85.5094, 95.0150,
62.2642

■ 74.3840, 87.4518,
13.2762

■ 88.8188, 96.7920,
78.2939

 74.2058, 87.1920,
12.9187

 92.6402, 98.7759,
97.0138

95.0497, 99.9999,
108.9000

Harmonies

Analogous

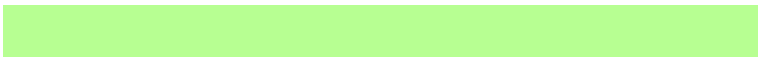
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



97.0362, 90.8235, 29.7462



78.4062, 90.8235, 29.0210



64.1071, 90.8235, 41.5420

Triad

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



78.4062, 90.8235, 29.0210



62.8415, 90.8235, 186.7611



125.2173, 90.8235, 131.4076

Complementary

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



78.4062, 90.8235, 29.0210



31.3384, 23.6869, 97.5275

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.



113.1612, 90.8235, 193.6422



78.4062, 90.8235, 29.0210



76.4325, 90.8235, 232.6424

Square

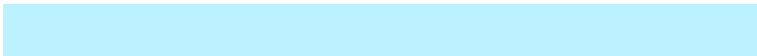
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.4062, 90.8235, 29.0210



56.0287, 90.8235, 124.1972



94.7598, 90.8235, 235.5351



125.9475, 90.8235, 77.2800

Rectangle

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



78.4062, 90.8235, 29.0210



58.2124, 90.8235, 59.6269



94.7598, 90.8235, 235.5351



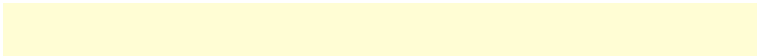
122.2840, 90.8235, 152.4451

Sweetspot

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



78.4083, 90.8277, 29.0229



88.3552, 96.5472, 76.0348



50.5418, 34.4296, 21.7840



18.7636, 20.5863, 15.5550



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.



78.4083, 90.8277, 29.0229



76.7197, 89.6495, 21.6789



60.2520, 83.8014, 28.6236



19.5033, 20.9747, 19.1649



38.7987, 45.6087, 6.7584



3.7942, 4.4737, 0.6635

Inverse Universe

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



31.3384, 23.6869, 97.5275



25.3890, 16.4506, 96.4449



42.0646, 28.3667, 97.8654



17.0542, 17.4800, 22.7251



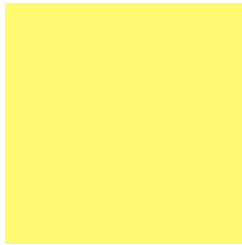
9.5045, 3.9186, 49.6900



0.9426, 0.4160, 4.8439

Previews

White Background



This preview shows how the XYZ color 78.4062, 90.8235, 29.0210 looks on a white background.

Color Contrast Check

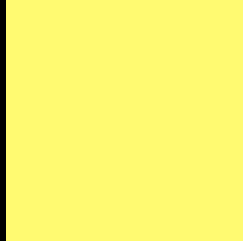
Large Text (above 18pt) WCAG AA × Fail

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 78.4062, 90.8235, 29.0210 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

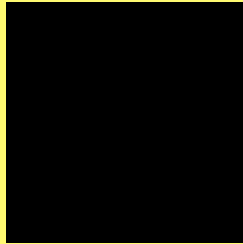
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 78.4062, 90.8235, 29.0210

Background



This preview shows how black text looks on a background with the XYZ color 78.4062, 90.8235, 29.0210.

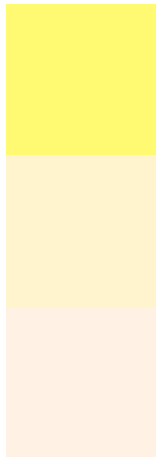


This preview shows how white text looks on a background with the XYZ color 78.4062, 90.8235,

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

78.4062, 90.8235, 29.0210

Protanopia

84.7313, 90.4176, 71.3790

Deuteranopia

87.1350, 90.4214, 86.9893



Tritanopia

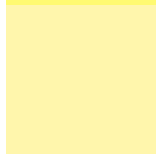
89.3434, 90.3575, 101.5388

Trichromacy



Original Color

78.4062, 90.8235, 29.0210



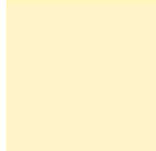
Protanomaly

81.6422, 90.1501, 52.1274



Deuteranomaly

82.8620, 90.1527, 60.0476



Tritanomaly

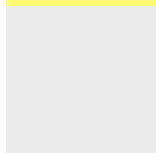
83.8995, 90.0849, 66.9990

Monochromacy



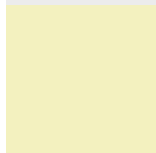
Original Color

78.4062, 90.8235, 29.0210



Achromatopsia

79.7278, 83.8799, 91.3452



Achromatomaly

77.8214, 85.7269, 61.7355

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.4062, 90.8235, 29.0210 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, 113)` looks like.

```
.text, #text, p{  
    color:rgb(255, 250, 113)  
}
```

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, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 250, 113) }
```

Border

The CSS property to change the border of an element to XYZ 78.4062, 90.8235, 29.0210 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, 113) }
```


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

```
.border{ border-color:rgb(255, 250, 113) }
```

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, 113) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 250, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 250, 113);  
box-shadow:4px 4px 4px 4px rgb(255, 250,  
113) }
```

Background

The CSS property to change the background color of an element to XYZ 78.4062, 90.8235, 29.0210 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, 113) }
```

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

```
.background{ background-color: rgb(255,  
250, 113) }
```

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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