

Converting Colors

XYZ(90.6072, 117.8834,
33.5550)

Have a look what the booklet for
XYZ(90.6072, 117.8834, 33.5550)
contains.

XYZ(78.1650, 93.0362, 29.4608)	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(78.1650, 93.0362,
29.4608)**

Conversions

Conversions Part 1

Format	Color
Hex	FAFF71
RGB	250, 255, 113
RGB Percent	98%, 100%, 44%
CMY	0.0196, 0.0000, 0.5568
CMYK	0.02, 0.00, 0.56, 0.00
HSL	62°, 100%, 72%
HSV	62°, 56%, 100%
XYZ	78.1650, 93.0362, 29.4608
YIQ	237.3170, 42.6020, -45.2220

Conversions

Conversions Part 2

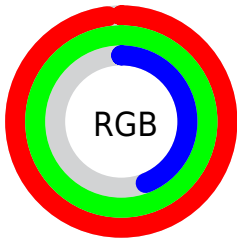
Format	Color
RYB	113, 255, 118
Decimal	16449393
CIELab	97.24, -19.67, 65.89
CIELCh	97, 68.760, 106.619
Yxy	93.0362, 0.3895, 0.4636
Android (android.graphics.Color)	4294639473 (0xFFFAFF71)
YUV	237.3170, -61.2883, 11.1230
Hunter-Lab	96.4553, -24.1447, 49.4095

Details

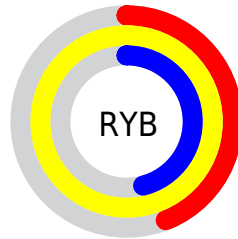
The XYZ color **78.1650, 93.0362, 29.4608** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **31.4274, 22.8830, 97.3682**, and the grayscale version is **81.1745, 85.4019, 93.0026**.

A 20% lighter version of the original color is **84.1614, 95.6446, 51.5616**, and **42.4185, 51.7599, 11.6259** is the 20% darker color. If you saturate the color by 10%, you get **76.6042, 92.3748, 22.9178**, and if you desaturate by 10%, it is **80.1308, 93.8598, 38.1299**.

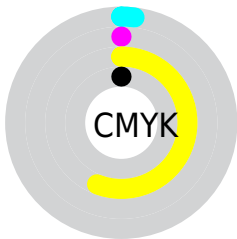
Distribution



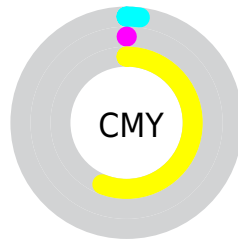
- Red (98%)
- Green (100%)
- Blue (44%)



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



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





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 78.1650, 93.0362, 29.4608 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 78.1650, 93.0362, 29.4608 by changing the saturation by 10% instead.


 78.1650, 93.0362,
29.4608

 78.1650, 93.0362,
29.4608


477.5582,
537.8588, 313.5117


 58.5128, 70.5016,
19.1811


 129.7468,
151.5487, 59.8593

 42.4659, 51.9356,
11.6231


 162.4072,
188.2954, 80.8152

 29.6590, 36.9537,
6.3682


 200.1342,
230.5483, 106.1669

 19.7267, 25.1717,
2.9978

243.2934,
278.6917, 136.3330

 12.3036, 16.2050,
1.0935

292.2500,
333.1101, 171.7320

 7.0245, 9.6693,
0.0000

347.3695,

 3.5239, 5.1803,

394.1878, 212.7824

0.0000

409.0171,
462.3092, 259.9028

■ 1.4365, 2.3534,
0.0000

■ 0.2820, 0.8018,
0.0000

■ 78.1650, 93.0362,
29.4608

■ 78.1650, 93.0362,
29.4608

■ 76.6042, 92.3748,
22.9178

■ 80.1308, 93.8598,
38.1299

■ 75.4133, 91.8616,
18.3144

■ 82.5321, 94.8578,
49.0833

■ 74.5519, 91.4803,
15.4379

■ 85.3967, 96.0412,
62.4684

■ 73.9697, 91.2108,
14.0236

■ 88.7500, 97.4204,
78.4191

■ 73.7732, 91.1165,
13.6990

■ 92.6156, 99.0046,
97.0596

95.0500, 100.0000,
108.9000

Harmonies

Analogous

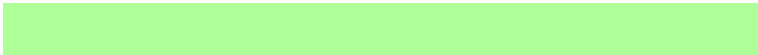
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



97.3618, 93.0362, 28.7792



78.1650, 93.0362, 29.4608



63.9533, 93.0362, 44.1376

Triad

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



78.1650, 93.0362, 29.4608



65.1637, 93.0362, 200.6956



129.9939, 93.0362, 128.1433

Complementary

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



78.1650, 93.0362, 29.4608



31.4274, 22.8830, 97.3682

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.



118.4645, 93.0362, 194.0266



78.1650, 93.0362, 29.4608



80.0584, 93.0362, 245.1676

Square

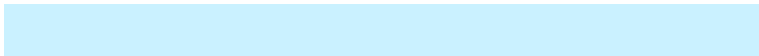
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.1650, 93.0362, 29.4608



57.2350, 93.0362, 135.0966



99.5524, 93.0362, 242.3574



129.2887, 93.0362, 73.6707

Rectangle

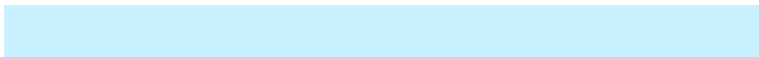
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78.1650, 93.0362, 29.4608



58.3706, 93.0362, 64.4870



99.5524, 93.0362, 242.3574



127.3562, 93.0362, 149.9862

Sweetspot

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



78.1651, 93.0363, 29.4620



88.2802, 97.2274, 76.1700



50.6684, 35.3474, 19.7762



18.7456, 20.7491, 15.5873



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

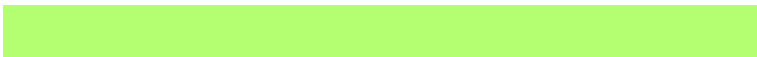
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.1651, 93.0363, 29.4620



76.4272, 92.2992, 22.2057



57.3935, 82.3281, 28.4899



19.4942, 21.0562, 19.1811



38.5762, 47.6248, 7.1593



3.7750, 4.6469, 0.6980

Inverse Universe

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



31.4274, 22.8830, 97.3682



25.4646, 15.7660, 96.3087



44.8762, 29.8161, 97.9976



17.0621, 17.4082, 22.7108



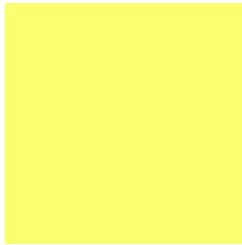
9.5158, 3.8161, 49.6696



0.9464, 0.3818, 4.8371

Previews

White Background



This preview shows how the XYZ color 78.1650, 93.0362, 29.4608 looks on a white background.

Color Contrast Check

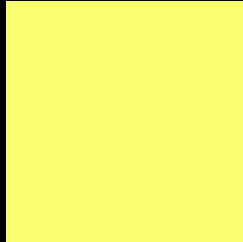
Large Text (above 18pt) WCAG AA × Fail

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 78.1650, 93.0362, 29.4608 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 78.1650, 93.0362, 29.4608

Background



This preview shows how black text looks on a background with the XYZ color 78.1650, 93.0362, 29.4608.

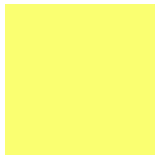


This preview shows how white text looks on a background with the XYZ color 78.1650, 93.0362,

Color Blindness Simulation

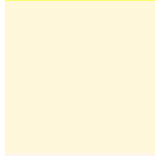
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



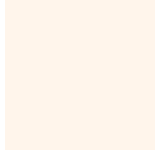
Original Color

78.1650, 93.0362, 29.4608



Protanopia

87.1557, 92.8435, 79.6567



Deuteranopia

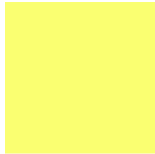
88.8878, 92.5630, 91.7788



Tritanopia

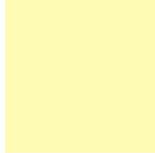
91.1614, 92.9896, 105.2395

Trichromacy



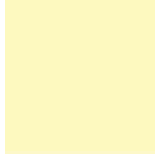
Original Color

78.1650, 93.0362, 29.4608



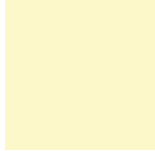
Protanomaly

82.9318, 92.5491, 56.6728



Deuteranomaly

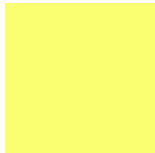
83.7877, 92.3956, 62.7083



Tritanomaly

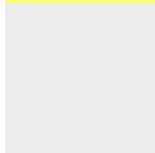
84.6180, 92.2345, 68.6015

Monochromacy



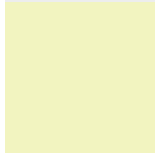
Original Color

78.1650, 93.0362, 29.4608



Achromatopsia

80.4953, 84.6873, 92.2245



Achromatomaly

78.4831, 87.3844, 62.5995

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.1650, 93.0362, 29.4608 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(250, 255, 113)` looks like.

```
.text, #text, p{  
    color:rgb(250, 255, 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(250, 255, 113) colored shadow looks like.

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

Border

The CSS property to change the border of an element to XYZ 78.1650, 93.0362, 29.4608 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(250, 255, 113) }
```


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

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

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

Here you see how a box with a 4 pixel `rgb(250, 255, 113)` colored shadow looks like.

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

Background

The CSS property to change the background color of an element to XYZ 78.1650, 93.0362, 29.4608 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 255, 113) }
```

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

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