

Converting Colors

XYZ(71.4213, 78.1166, 22.7993)

Have a look what the booklet for
XYZ(71.4213, 78.1166, 22.7993)
contains.

XYZ(71.4639, 78.1805, 22.8791)	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(71.4639, 78.1805,
22.8791)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE562
RGB	255, 229, 98
RGB Percent	100%, 90%, 38%
CMY	0.0000, 0.1019, 0.6157
CMYK	0.00, 0.10, 0.62, 0.00
HSL	50°, 100%, 69%
HSV	50°, 62%, 100%
XYZ	71.4639, 78.1805, 22.8791
YIQ	221.8400, 57.5470, -35.2290

Conversions

Conversions Part 2

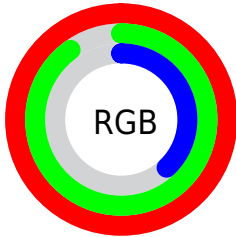
Format	Color
R_{YB}	129, 255, 98
Decimal	16770402
CIE _{Lab}	90.86, -5.95, 65.34
CIE _{LCh}	91, 65.614, 95.206
Yxy	78.1805, 0.4142, 0.4532
Android (android.graphics.Color)	4294960482 (0xFFFFE562)
YUV	221.8400, -61.0531, 29.0813
Hunter-Lab	88.4197, -10.4646, 46.5522

Details

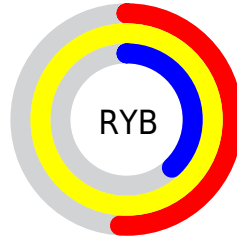
The XYZ color **71.4639, 78.1805, 22.8791** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **30.2945, 24.2312, 97.6875**, and the grayscale version is **69.7090, 73.3393, 79.8665**.

A 20% lighter version of the original color is **82.7498, 95.0799, 44.1279**, and **38.0420, 42.0343, 8.2062** is the 20% darker color. If you saturate the color by 10%, you get **69.2931, 75.4686, 17.1322**, and if you desaturate by 10%, it is **74.0502, 81.1100, 30.6576**.

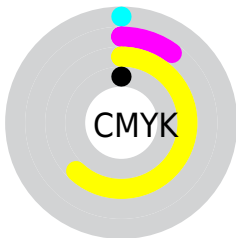
Distribution



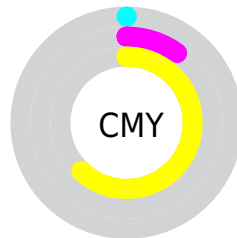
- Red (100%)
- Green (90%)
- Blue (38%)



- Red (51%)
- Yellow (100%)
- Blue (38%)



- Cyan (0%)
- Magenta (10%)
- Yellow (62%)
- Black (0%)





- Cyan (0%)
- Magenta (10%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 71.4639, 78.1805, 22.8791 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 71.4639, 78.1805, 22.8791 by changing the saturation by 10% instead.


 71.4639, 78.1805,
22.8791


 71.4639, 78.1805,
22.8791


454.8601,
488.7796, 280.2052

 53.0048, 58.2223,
14.2998


 120.3090,
130.8045, 49.1154


 38.0341, 41.9874,
8.1883


 151.4256,
164.2391, 67.6095

 26.1865, 29.0914,
4.1262


 187.4921,
202.9346, 90.2456

 17.0966, 19.1500,
1.6948

 228.8738,
247.2754, 117.4423

 10.3991, 11.7787,
0.3572

275.9361,
297.6460, 149.6180

 5.7287, 6.5932,
0.0000

329.0444,

 2.7199, 3.2090,

354.4305, 187.1914

0.0000

388.5639,
418.0136, 230.5809

■ 1.0074, 1.2418,
0.0000

■ 0.0000, 0.0955,
0.0000

■ 71.4639, 78.1805,
22.8791

■ 71.4639, 78.1805,
22.8791

■ 69.2931, 75.4686,
17.1322

■ 74.0502, 81.1100,
30.6576

■ 67.4942, 72.9477,
13.2128

■ 77.0796, 84.2595,
40.6366

■ 66.0232, 70.6028,
10.8821

■ 80.5836, 87.6449,
52.9723

■ 64.9790, 68.7383,
9.8431

■ 84.5890, 91.2773,
67.8058

89.1208, 95.1669,
85.2668

94.2020, 99.3233,
105.4761

95.0497, 99.9999,
108.9000

Harmonies

Analogous

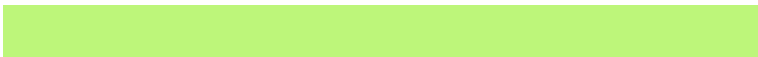
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.4364, 78.1805, 26.3789



71.4639, 78.1805, 22.8791



57.4630, 78.1805, 30.3411

Triad

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



71.4639, 78.1805, 22.8791



51.2643, 78.1805, 149.0581



107.0251, 78.1805, 129.2428

Complementary

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



71.4639, 78.1805, 22.8791



30.2945, 24.2312, 97.6875

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.



94.1604, 78.1805, 183.1549



71.4639, 78.1805, 22.8791



61.7711, 78.1805, 197.2553

Square

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



71.4639, 78.1805, 22.8791



46.9580, 78.1805, 93.6469



77.2270, 78.1805, 211.6131



110.6310, 78.1805, 77.1369

Rectangle

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



71.4639, 78.1805, 22.8791



51.1621, 78.1805, 43.0612



77.2270, 78.1805, 211.6131



103.5555, 78.1805, 148.2811

Sweetspot

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



71.4657, 78.1842, 22.8807



86.1445, 92.6353, 73.7266



49.2566, 31.4555, 22.6006



18.1659, 19.5902, 14.7413



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.



71.4657, 78.1842, 22.8807



68.8230, 74.8385, 16.0187



62.5027, 85.0513, 24.6786



19.2902, 20.5485, 19.0939



34.0480, 36.1072, 5.1749



3.3802, 3.6457, 0.5255

Inverse Universe

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



30.2945, 24.2312, 97.6875



24.6419, 17.0385, 96.5977



35.0575, 22.4720, 97.0969



17.2459, 17.8635, 22.7890



9.9390, 4.7876, 49.8348



1.0329, 0.5966, 4.8740

Previews

White Background



This preview shows how the XYZ color 71.4639, 78.1805, 22.8791 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 71.4639, 78.1805, 22.8791 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 71.4639, 78.1805, 22.8791

Background



This preview shows how black text looks on a background with the XYZ color 71.4639, 78.1805, 22.8791.



This preview shows how white text looks on a background with the XYZ color 71.4639, 78.1805,

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

71.4639, 78.1805, 22.8791

Protanopia

71.0970, 77.9913, 22.8619

Deuteranopia

76.6526, 78.0741, 56.9287



Tritanopia

81.2570, 78.2159, 86.4158

Trichromacy



Original Color

71.4639, 78.1805, 22.8791

Protanomaly

71.0970, 77.9913, 22.8619

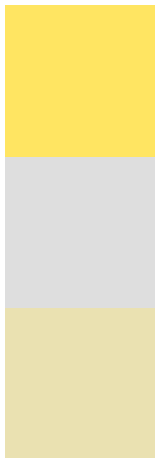
Deuteranomaly

74.1861, 77.9526, 41.2733

Tritanomaly

76.1749, 77.4542, 55.7351

Monochromacy



Original Color

71.4639, 78.1805, 22.8791

Achromatopsia

69.4303, 73.0461, 79.5472

Achromatomaly

68.7927, 74.5172, 52.3525

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.4639, 78.1805, 22.8791 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, 229, 98)` looks like.

```
.text, #text, p{  
    color:rgb(255, 229, 98)  
}
```

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, 229, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 229, 98) }
```

Border

The CSS property to change the border of an element to XYZ 71.4639, 78.1805, 22.8791 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, 229, 98) }
```


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

```
.border{ border-color:rgb(255, 229, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 229, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 229, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 229, 98);  
box-shadow:4px 4px 4px 4px rgb(255, 229,  
98) }
```

Background

The CSS property to change the background color of an element to XYZ 71.4639, 78.1805, 22.8791 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 229, 98) }
```

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

```
.background{ background-color: rgb(255,  
229, 98) }
```

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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