

Converting Colors

XYZ(72.8108, 81.1438, 22.4974)

Have a look what the booklet for
XYZ(72.8108, 81.1438, 22.4974)
contains.

XYZ(72.6832, 80.9138, 22.3768)	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(72.6832, 80.9138,
22.3768)**

Conversions

Conversions Part 1

Format	Color
Hex	FFEA5E
RGB	255, 234, 94
RGB Percent	100%, 92%, 37%
CMY	0.0000, 0.0823, 0.6314
CMYK	0.00, 0.08, 0.63, 0.00
HSL	52°, 100%, 68%
HSV	52°, 63%, 100%
XYZ	72.6832, 80.9138, 22.3768
YIQ	224.3190, 57.4560, -39.0880

Conversions

Conversions Part 2

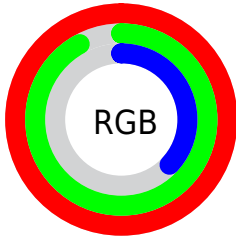
Format	Color
R _Y B	118, 255, 94
Decimal	16771678
CIE Lab	92.09, -8.69, 68.34
CIE LCh	92, 68.892, 97.246
Yxy	80.9138, 0.4130, 0.4598
Android (android.graphics.Color)	4294961758 (0xFFFFEA5E)
YUV	224.3190, -64.2473, 26.9072
Hunter-Lab	89.9521, -13.1844, 48.2173

Details

The XYZ color **72.6832, 80.9138, 22.3768** 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 **28.7968, 21.8606, 97.3089**, and the grayscale version is **71.4984, 75.2219, 81.9166**.

A 20% lighter version of the original color is **82.5050, 94.9820, 42.8390**, and **38.9145, 43.9578, 7.9471** is the 20% darker color. If you saturate the color by 10%, you get **70.7855, 78.6573, 17.0015**, and if you desaturate by 10%, it is **74.9803, 83.3646, 29.7511**.

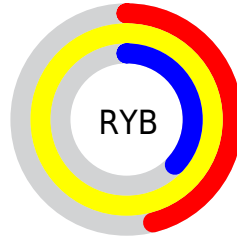
Distribution



Red (100%)

Green (92%)

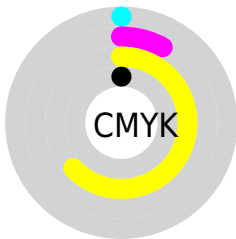
Blue (37%)



Red (46%)

Yellow (100%)

Blue (37%)

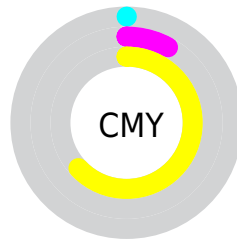


Cyan (0%)

Magenta (8%)

Yellow (63%)

Black (0%)



Cyan (0%)


Magenta (8%)


Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 72.6832, 80.9138, 22.3768 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 72.6832, 80.9138, 22.3768 by changing the saturation by 10% instead.


 72.6832, 80.9138,
22.3768

 72.6832, 80.9138,
22.3768


459.0369,
498.0071, 277.5252

 54.0044, 60.4706,
13.9331


 122.0329,
134.6497, 48.2781


 38.8359, 43.7981,
7.9359


 153.4346,
168.7112, 66.5728

 26.8122, 30.5118,
3.9668


 189.8079,
208.0810, 88.9882

 17.5681, 20.2274,
1.6071

 231.5182,
253.1434, 115.9429

 10.7382, 12.5604,
0.2959

278.9309,
304.2828, 147.8554

 5.9570, 7.1266,
0.0000

332.4114,

 2.8594, 3.5414,

361.8836, 185.1443

0.0000

392.3249,
426.3302, 228.2280

■ 1.0798, 1.4205,
0.0000

■ 0.0082, 0.2317,
0.0000

■ 72.6832, 80.9138,
22.3768

■ 72.6832, 80.9138,
22.3768

■ 70.7855, 78.6573,
17.0015

■ 74.9803, 83.3646,
29.7511

■ 69.2427, 76.5679,
13.4155

■ 77.7047, 86.0119,
39.2962

■ 68.0091, 74.6303,
11.3719

■ 80.8885, 88.8717,
51.1714

■ 67.2945, 73.3694,
10.6149

■ 84.5587, 91.9549,
65.5193

■ 88.7404, 95.2718,
82.4714

■ 93.4570, 98.8317,
102.1496

95.0498, 99.9999,
108.9000

Harmonies

Analogous

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



90.8701, 80.9138, 25.2266



72.6832, 80.9138, 22.3768



58.0514, 80.9138, 30.9675

Triad

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



72.6832, 80.9138, 22.3768



52.8203, 80.9138, 161.4504



112.8505, 80.9138, 131.5512

Complementary

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



72.6832, 80.9138, 22.3768



28.7968, 21.8606, 97.3089

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.



99.4565, 80.9138, 191.0086



72.6832, 80.9138, 22.3768



64.4514, 80.9138, 212.4030

Square

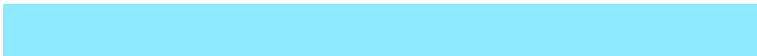
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



72.6832, 80.9138, 22.3768



47.7851, 80.9138, 101.0074



81.2896, 80.9138, 224.9098



115.9553, 80.9138, 76.3444

Rectangle

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



72.6832, 80.9138, 22.3768



51.6355, 80.9138, 45.1080



81.2896, 80.9138, 224.9098



109.3122, 80.9138, 152.2389

Sweetspot

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



72.6851, 80.9176, 22.3784



86.2252, 93.2983, 72.2073



48.3645, 30.5147, 19.7028



18.2071, 19.7700, 14.4550



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.



72.6851, 80.9176, 22.3784



70.3094, 78.0425, 15.8012



60.5369, 84.0593, 23.6251



19.3473, 20.6628, 19.1129



35.2419, 38.4950, 5.5728



3.4852, 3.8557, 0.5605

Inverse Universe

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



28.7968, 21.8606, 97.3089



23.3522, 14.9493, 96.2625



35.1966, 22.0019, 96.9989



17.1939, 17.7594, 22.7716



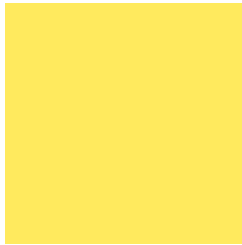
9.7778, 4.4652, 49.7811



1.0085, 0.5478, 4.8658

Previews

White Background



This preview shows how the XYZ color 72.6832, 80.9138, 22.3768 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 72.6832, 80.9138, 22.3768 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 72.6832, 80.9138, 22.3768

Background



This preview shows how black text looks on a background with the XYZ color 72.6832, 80.9138, 22.3768.



This preview shows how white text looks on a background with the XYZ color 72.6832, 80.9138,

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

72.6832, 80.9138, 22.3768

Protanopia

74.2097, 81.0701, 31.8155

Deuteranopia

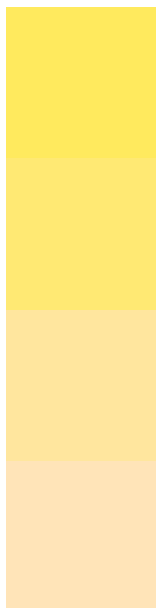
78.8337, 80.6869, 63.0489



Tritanopia

82.8911, 80.5695, 89.7799

Trichromacy



Original Color

72.6832, 80.9138, 22.3768

Protanomaly

73.4734, 80.7756, 27.9384

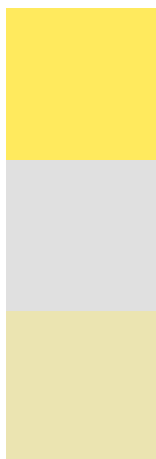
Deuteranomaly

75.7084, 80.3223, 43.8612

Tritanomaly

77.6351, 80.2075, 56.7372

Monochromacy



Original Color

72.6832, 80.9138, 22.3768

Achromatopsia

70.8507, 74.5404, 81.1745

Achromatomaly

69.9402, 76.3233, 52.6406

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.6832, 80.9138, 22.3768 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, 234, 94)` looks like.

```
.text, #text, p{  
    color:rgb(255, 234, 94)  
}
```

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, 234, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 234, 94) }
```

Border

The CSS property to change the border of an element to XYZ 72.6832, 80.9138, 22.3768 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, 234, 94) }
```


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

```
.border{ border-color:rgb(255, 234, 94) }
```

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

Here you see how a box with a 4 pixel rgb(255, 234, 94) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 234, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 234, 94);  
box-shadow:4px 4px 4px 4px rgb(255, 234,  
94) }
```

Background

The CSS property to change the background color of an element to XYZ 72.6832, 80.9138, 22.3768 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 234, 94) }
```

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

```
.background{ background-color: rgb(255,  
234, 94) }
```

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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