

Converting Colors

XYZ(72.3628, 81.6496, 18.0222)

Have a look what the booklet for
XYZ(72.3628, 81.6496, 18.0222)
contains.

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Color

**XYZ(72.4052, 81.7188,
18.0880)**

Conversions

Conversions Part 1

Format	Color
Hex	FFEC48
RGB	255, 236, 72
RGB Percent	100%, 93%, 28%
CMY	0.0000, 0.0745, 0.7176
CMYK	0.00, 0.07, 0.72, 0.00
HSL	54°, 100%, 64%
HSV	54°, 72%, 100%
XYZ	72.4052, 81.7188, 18.0880
YIQ	222.9850, 63.9680, -46.9760

Conversions

Conversions Part 2

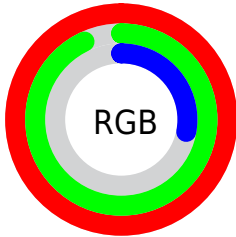
Format	Color
R _Y B	93, 255, 72
Decimal	16772168
CIE Lab	92.45, -10.81, 77.04
CIE LCh	92, 77.794, 97.989
Yxy	81.7188, 0.4204, 0.4745
Android (android.graphics.Color)	4294962248 (0xFFFFEC48)
YUV	222.9850, -74.4356, 28.0772
Hunter-Lab	90.3985, -15.2266, 51.4155

Details

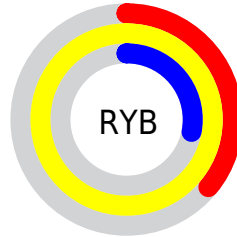
The XYZ color **72.4052, 81.7188, 18.0880** is a light color, and the websafe version is hex **FFFF66**. The color can be described as light washed yellow. A complement of this color would be **24.4638, 16.0798, 96.4216**, and the grayscale version is **70.6112, 74.2885, 80.9002**.

A 20% lighter version of the original color is **81.0293, 94.3917, 35.0678**, and **38.7720, 44.5171, 6.5492** is the 20% darker color. If you saturate the color by 10%, you get **70.9839, 79.9431, 14.3267**, and if you desaturate by 10%, it is **74.1862, 83.6627, 23.6717**.

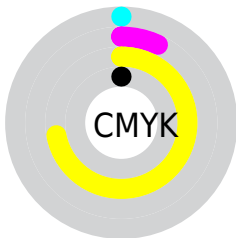
Distribution



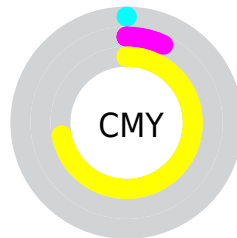
- Red (100%)
- Green (93%)
- Blue (28%)



- Red (36%)
- Yellow (100%)
- Blue (28%)



- Cyan (0%)
- Magenta (7%)
- Yellow (72%)
- Black (0%)





- Cyan (0%)
- Magenta (7%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 72.4052, 81.7188, 18.0880 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 72.4052, 81.7188, 18.0880 by changing the saturation by 10% instead.


 72.4052, 81.7188,
18.0880


 72.4052, 81.7188,
18.0880


458.0865,
500.7066, 253.6193

 53.7764, 61.1338,
10.8431


 121.6401,
135.7796, 41.0032


 38.6529, 44.3331,
5.8486


 152.9770,
170.0242, 57.5105


 26.6693, 30.9325,
2.6859


 189.2805,
209.5907, 77.9424

 17.4603, 20.5474,
0.9363

 230.9161,
254.8636, 102.7175

 10.6606, 12.7936,
0.0000

 278.2492,
306.2272, 132.2541

 5.9047, 7.2866,
0.0000

331.6450,

 2.8273, 3.6420,

364.0660, 166.9710

0.0000

391.4690,
428.7643, 207.2865

■ 1.0631, 1.4754,
0.0000

■ 0.0000, 0.2713,
0.0000

■ 72.4052, 81.7188,
18.0880

■ 72.4052, 81.7188,
18.0880

■ 70.9839, 79.9431,
14.3267

■ 74.1862, 83.6627,
23.6717

■ 69.8710, 78.3057,
12.1417

■ 76.3595, 85.7784,
31.2730

■ 69.1302, 77.0407,
11.2268

■ 78.9598, 88.0833,
41.0674

■ 82.0168, 90.5891,
53.2099

■ 85.5572, 93.3066,
67.8416

■ 89.6058, 96.2459,
85.0925

■ 94.1856, 99.4161,
105.0835

■ 95.0498, 99.9999,
108.9000

Harmonies

Analogous

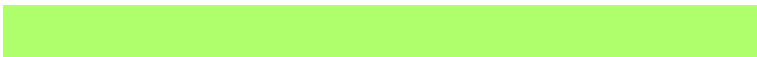
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



93.1297, 81.7188, 20.6239



72.4052, 81.7188, 18.0880



56.1642, 81.7188, 27.0139

Triad

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



72.4052, 81.7188, 18.0880



50.9426, 81.7188, 176.3352



119.4552, 81.7188, 137.4270

Complementary

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



72.4052, 81.7188, 18.0880



24.4638, 16.0798, 96.4216

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.



104.0682, 81.7188, 208.3418



72.4052, 81.7188, 18.0880



64.0257, 81.7188, 236.7627

Square

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



72.4052, 81.7188, 18.0880



45.2507, 81.7188, 105.3236



83.1867, 81.7188, 250.4932



122.7494, 81.7188, 74.4174

Rectangle

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



72.4052, 81.7188, 18.0880



49.2113, 81.7188, 42.1374



83.1867, 81.7188, 250.4932



115.4115, 81.7188, 161.7839

Sweetspot

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



72.4071, 81.7227, 18.0897



85.4678, 93.2400, 67.4645



45.5491, 26.6920, 13.1899



18.0783, 19.7952, 13.5402



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.



72.4071, 81.7227, 18.0897



70.4779, 79.2336, 13.2242



56.9015, 82.2834, 19.0151



19.3907, 20.7495, 19.1274



36.1875, 40.3862, 5.8880



3.5679, 4.0211, 0.5881

Inverse Universe

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



24.4638, 16.0798, 96.4216



20.3035, 10.6625, 95.5957



31.5493, 17.6198, 96.3454



17.1547, 17.6810, 22.7586



9.6790, 4.2676, 49.7482



0.9901, 0.5110, 4.8597

Previews

White Background



This preview shows how the XYZ color 72.4052, 81.7188, 18.0880 looks on a white background.

Color Contrast Check

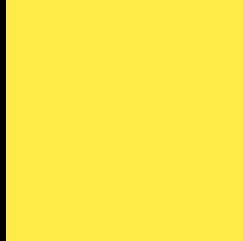
Large Text (above 18pt) WCAG AA × Fail

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 72.4052, 81.7188, 18.0880 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

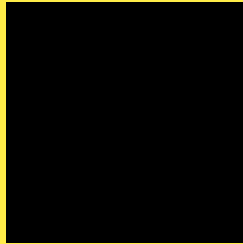
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 72.4052, 81.7188, 18.0880

Background



This preview shows how black text looks on a background with the XYZ color 72.4052, 81.7188, 18.0880.



This preview shows how white text looks on a background with the XYZ color 72.4052, 81.7188,

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

72.4052, 81.7188, 18.0880

Protanopia

74.9659, 81.8269, 34.3973

Deuteranopia

79.3374, 81.3298, 64.3400



Tritanopia

83.5767, 81.7088, 90.7233

Trichromacy



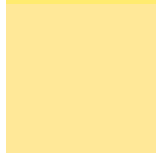
Original Color

72.4052, 81.7188, 18.0880



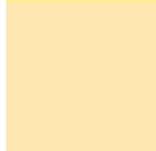
Protanomaly

73.8176, 81.8244, 26.9420



Deuteranomaly

75.7641, 81.2402, 41.3935



Tritanomaly

77.3733, 80.9882, 52.6286

Monochromacy



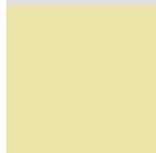
Original Color

72.4052, 81.7188, 18.0880



Achromatopsia

70.1384, 73.7910, 80.3584



Achromatomaly

69.0722, 75.9761, 48.0702

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.4052, 81.7188, 18.0880 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, 236, 72)` looks like.

```
.text, #text, p{  
    color:rgb(255, 236, 72)  
}
```

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, 236, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 236, 72) }
```

Border

The CSS property to change the border of an element to XYZ 72.4052, 81.7188, 18.0880 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, 236, 72) }
```


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

```
.border{ border-color:rgb(255, 236, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 236, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 236, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 236, 72);  
box-shadow:4px 4px 4px 4px rgb(255, 236,  
72) }
```

Background

The CSS property to change the background color of an element to XYZ 72.4052, 81.7188, 18.0880 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 236, 72) }
```

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

```
.background{ background-color: rgb(255,  
236, 72) }
```

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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