

Converting Colors

XYZ(71.9582, 82.1304, 21.5241)

Have a look what the booklet for
XYZ(71.9582, 82.1304, 21.5241)
contains.

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Color

**XYZ(72.1614, 82.3796,
21.5487)**

Conversions

Conversions Part 1

Format	Color
Hex	FBEE59
RGB	251, 238, 89
RGB Percent	98%, 93%, 35%
CMY	0.0157, 0.0666, 0.6510
CMYK	0.00, 0.05, 0.65, 0.02
HSL	55°, 95%, 67%
HSV	55°, 65%, 98%
XYZ	72.1614, 82.3796, 21.5487
YIQ	224.9010, 55.5770, -43.5830

Conversions

Conversions Part 2

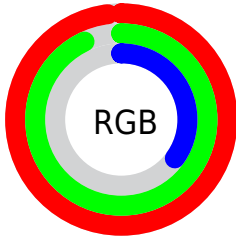
Format	Color
RYB	103, 251, 89
Decimal	16510553
CIELab	92.74, -12.58, 70.94
CIELCh	93, 72.042, 100.058
Yxy	82.3796, 0.4098, 0.4678
Android (android.graphics.Color)	4294700633 (0xFFFFBEE59)
YUV	224.9010, -66.9992, 22.8888
Hunter-Lab	90.7632, -16.9190, 49.4578

Details

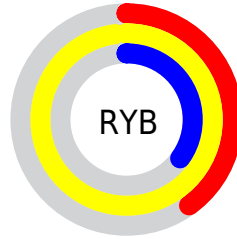
The XYZ color **72.1614, 82.3796, 21.5487** is a light color, and the websafe version is hex **FFFF66**. The color can be described as light muted yellow. A complement of this color would be **26.2839, 18.5913, 93.4695**, and the grayscale version is **71.9373, 75.6836, 82.4195**.

A 20% lighter version of the original color is **82.1108, 94.8243, 40.7633**, and **38.3893, 44.6025, 7.5055** is the 20% darker color. If you saturate the color by 10%, you get **70.6998, 80.8654, 16.7186**, and if you desaturate by 10%, it is **73.9926, 84.0583, 28.2758**.

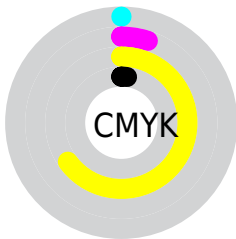
Distribution



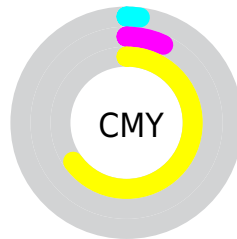
- Red (98%)
- Green (93%)
- Blue (35%)



- Red (40%)
- Yellow (98%)
- Blue (35%)



- Cyan (0%)
- Magenta (5%)
- Yellow (65%)
- Black (2%)



- Cyan (2%)
- Magenta (7%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 72.1614, 82.3796, 21.5487 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 72.1614, 82.3796, 21.5487 by changing the saturation by 10% instead.

72.1614, 82.3796,
21.5487

72.1614, 82.3796,
21.5487

457.2521,
502.9166, 273.0565

53.5765, 61.6785,
13.3305

121.2955,
136.7062, 46.8915

38.4925, 44.7730,
7.5231

152.5754,
171.1005, 64.8533

26.5441, 31.2786,
3.7080

188.8177,
210.8279, 86.9000

17.3659, 20.8111,
1.4666

230.3877,
256.2729, 113.4502

10.5926, 12.9860,
0.1928

277.6508,
307.8199, 144.9224

5.8589, 7.4189,
0.0000

330.9723,

2.7993, 3.7254,

365.8532, 181.7351

0.0000

390.7176,
430.7573, 224.3070

■ 1.0485, 1.5212,
0.0000

■ 0.0000, 0.3036,
0.0000

■ 72.1614, 82.3796,
21.5487

■ 72.1614, 82.3796,
21.5487

■ 70.6998, 80.8654,
16.7186

■ 73.9926, 84.0583,
28.2758

■ 69.5637, 79.4888,
13.5790


■ 76.2206, 85.9031,
37.0682


■ 68.7082, 78.2349,
11.8846


■ 78.8764, 87.9296,
48.0811


■ 68.3225, 77.5872,
11.3748

■ 81.9865, 90.1484,
61.4538

 85.5752, 92.5693,
77.3139

 89.6651, 95.2012,
95.7800

 92.6748, 97.4119,
108.5256

 93.3107, 98.6837,
108.7376

 93.5935, 99.2491,
108.8318

Harmonies

Analogous

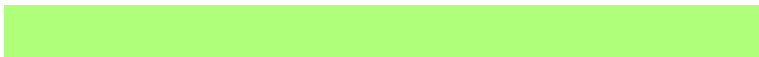
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



91.2699, 82.3796, 23.3800



72.1614, 82.3796, 21.5487



57.2864, 82.3796, 31.5502

Triad

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



72.1614, 82.3796, 21.5487



53.7890, 82.3796, 174.0549



117.3787, 82.3796, 129.7867

Complementary

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



72.1614, 82.3796, 21.5487



26.2839, 18.5913, 93.4695

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.



103.9091, 82.3796, 194.3959



72.1614, 82.3796, 21.5487



66.6198, 82.3796, 226.2350

Square

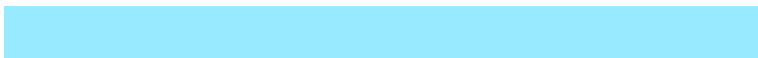
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



72.1614, 82.3796, 21.5487



47.8586, 82.3796, 108.9955



84.7758, 82.3796, 234.8858



119.5001, 82.3796, 72.8232

Rectangle

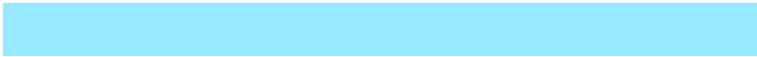
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



72.1614, 82.3796, 21.5487



50.9956, 82.3796, 47.3540



84.7758, 82.3796, 234.8858



113.9368, 82.3796, 151.8366

Sweetspot

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



72.1633, 82.3835, 21.5504



86.9804, 94.8087, 72.4590



45.7796, 28.6240, 15.8140



18.3923, 20.1404, 14.5168



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.



72.1633, 82.3835, 21.5504



72.9607, 83.4527, 16.3528



55.9483, 79.8442, 21.9149



18.6013, 19.9385, 18.3305



35.9641, 40.8849, 5.9961



3.3651, 3.8551, 0.5668

Inverse Universe

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



26.2839, 18.5913, 93.4695



22.3084, 13.0900, 95.9586



34.7930, 21.2287, 93.5301



16.3949, 16.8666, 21.7768



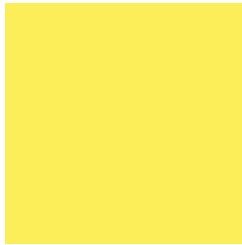
9.3255, 4.0066, 48.2554



0.9010, 0.4456, 4.4817

Previews

White Background



This preview shows how the XYZ color 72.1614, 82.3796, 21.5487 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 72.1614, 82.3796, 21.5487 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 72.1614, 82.3796, 21.5487

Background



This preview shows how black text looks on a background with the XYZ color 72.1614, 82.3796, 21.5487.



This preview shows how white text looks on a background with the XYZ color 72.1614, 82.3796,

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

72.1614, 82.3796, 21.5487

Protanopia

75.5453, 82.0586, 37.4484

Deuteranopia

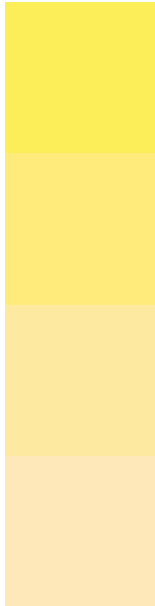
79.9621, 82.0238, 66.2613



Tritanopia

84.1417, 82.3712, 92.3534

Trichromacy



Original Color

72.1614, 82.3796, 21.5487

Protanomaly

74.1565, 81.9176, 30.6421

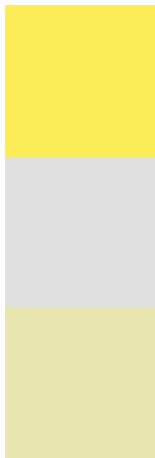
Deuteranomaly

76.3571, 81.8867, 45.0390

Tritanomaly

78.1007, 81.6834, 56.9975

Monochromacy



Original Color

72.1614, 82.3796, 21.5487

Achromatopsia

71.5672, 75.2942, 81.9954

Achromatomaly

70.0650, 77.2206, 52.2866

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.1614, 82.3796, 21.5487 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(251, 238, 89)` looks like.

```
.text, #text, p{  
    color:rgb(251, 238, 89)  
}
```

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(251, 238, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 238, 89) }
```

Border

The CSS property to change the border of an element to XYZ 72.1614, 82.3796, 21.5487 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(251, 238, 89) }
```


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

```
.border{ border-color:rgb(251, 238, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(251, 238, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 238, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 238, 89);  
box-shadow:4px 4px 4px 4px rgb(251, 238,  
89) }
```

Background

The CSS property to change the background color of an element to XYZ 72.1614, 82.3796, 21.5487 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 238, 89) }
```

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

```
.background{ background-color: rgb(251,  
238, 89) }
```

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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