

Converting Colors

XYZ(71.5636, 82.0416, 20.4517)

Have a look what the booklet for
XYZ(71.5636, 82.0416, 20.4517)
contains.

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Color

**XYZ(71.5991, 82.1132,
20.4633)**

Conversions

Conversions Part 1

Format	Color
Hex	FAEE54
RGB	250, 238, 84
RGB Percent	98%, 93%, 33%
CMY	0.0196, 0.0666, 0.6706
CMYK	0.00, 0.05, 0.66, 0.02
HSL	56°, 94%, 65%
HSV	56°, 66%, 98%
XYZ	71.5991, 82.1132, 20.4633
YIQ	224.0320, 56.5860, -45.3500

Conversions

Conversions Part 2

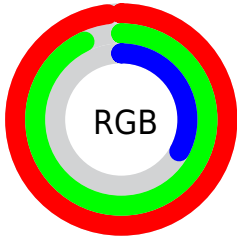
Format	Color
RYB	97, 250, 84
Decimal	16445012
CIELab	92.62, -13.26, 72.72
CIELCh	93, 73.923, 100.337
Yxy	82.1132, 0.4111, 0.4714
Android (android.graphics.Color)	4294635092 (0xFFFAEE54)
YUV	224.0320, -69.0358, 22.7739
Hunter-Lab	90.6163, -17.5396, 50.0424

Details

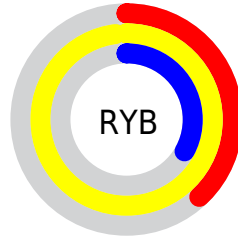
The XYZ color **71.5991, 82.1132, 20.4633** is a light color, and the websafe version is hex **FFFF66**. The color can be described as light muted yellow. A complement of this color would be **25.0945, 17.1524, 92.4299**, and the grayscale version is **71.3262, 75.0407, 81.7193**.

A 20% lighter version of the original color is **81.8077, 94.7031, 39.1671**, and **38.0358, 44.4321, 6.9523** is the 20% darker color. If you saturate the color by 10%, you get **70.2669, 80.7462, 16.0205**, and if you desaturate by 10%, it is **73.2897, 83.6382, 26.7504**.

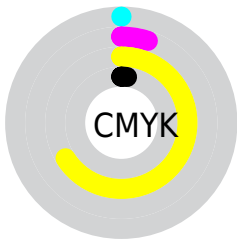
Distribution



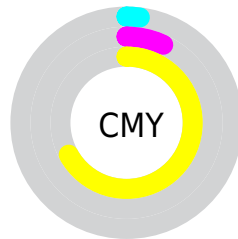
- Red (98%)
- Green (93%)
- Blue (33%)



- Red (38%)
- Yellow (98%)
- Blue (33%)



- Cyan (0%)
- Magenta (5%)
- Yellow (66%)
- Black (2%)



- Cyan (2%)
- Magenta (7%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 71.5991, 82.1132, 20.4633 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 71.5991, 82.1132, 20.4633 by changing the saturation by 10% instead.

71.5991, 82.1132,
20.4633

71.5991, 82.1132,
20.4633

455.3243,
502.0263, 267.0990

53.1155, 61.4588,
12.5449

120.5003,
136.3327, 45.0617

38.1229, 44.5956,
6.9889

151.6486,
170.6667, 62.5788

26.2557, 31.1390,
3.3768

187.7492,
210.3293, 84.1325

17.1487, 20.7047,
1.2901

229.1675,
255.7050, 110.1413

10.4365, 12.9083,
0.0537

276.2688,
307.1782, 141.0238

5.7538, 7.3655,
0.0000

329.4185,

2.7352, 3.6917,

365.1332, 177.1986

0.0000

388.9819,
429.9544, 219.0841

■ 1.0153, 1.5026,
0.0000

■ 0.0000, 0.2906,
0.0000

■ 71.5991, 82.1132,
20.4633

■ 71.5991, 82.1132,
20.4633

■ 70.2669, 80.7462,
16.0205

■ 73.2897, 83.6382,
26.7504

■ 69.2481, 79.5099,
13.2110

■ 75.3663, 85.3230,
35.0528

■ 68.4959, 78.3886,
11.7790

■ 77.8605, 87.1832,
45.5275

■ 68.2631, 78.0020,
11.4580

■ 80.7987, 89.2296,
58.3146

84.2055, 91.4720,
73.5425

88.1034, 93.9194,
91.3302

91.8619, 96.3196,
108.3576

92.4278, 97.4514,
108.5463

92.9991, 98.5939,
108.7367

Harmonies

Analogous

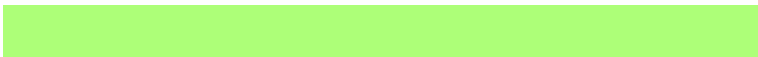
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



91.1576, 82.1132, 22.1760



71.5991, 82.1132, 20.4633



56.4802, 82.1132, 30.5525

Triad

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



71.5991, 82.1132, 20.4633



53.1232, 82.1132, 176.9345



118.2896, 82.1132, 129.9726

Complementary

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



71.5991, 82.1132, 20.4633



25.0945, 17.1524, 92.4299

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.



104.5027, 82.1132, 196.8226



71.5991, 82.1132, 20.4633



66.2563, 82.1132, 230.7524

Square

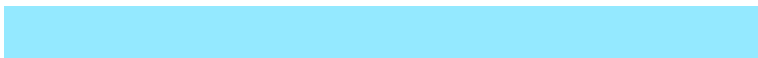
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



71.5991, 82.1132, 20.4633



47.0353, 82.1132, 109.7815



84.8690, 82.1132, 239.2372



120.3541, 82.1132, 71.7241

Rectangle

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



71.5991, 82.1132, 20.4633



50.1292, 82.1132, 46.5807



84.8690, 82.1132, 239.2372



114.7771, 82.1132, 152.7041

Sweetspot

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



71.6010, 82.1171, 20.4650



86.7349, 94.8113, 70.8557



44.7917, 27.5441, 14.4710



18.3504, 20.1523, 14.2074



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.



71.6010, 82.1171, 20.4650



73.0748, 83.9735, 15.4890



54.8032, 78.8147, 20.7129



18.6138, 19.9634, 18.3347



36.2550, 41.4666, 6.0930



3.3890, 3.9029, 0.5747

Inverse Universe

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



25.0945, 17.1524, 92.4299



21.3482, 11.7897, 95.7582



33.5948, 20.0323, 92.5378



16.3837, 16.8443, 21.7731



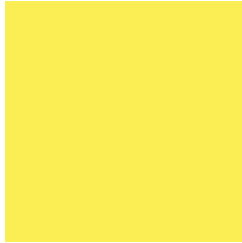
9.3049, 3.9654, 48.2485



0.8957, 0.4351, 4.4799

Previews

White Background



This preview shows how the XYZ color 71.5991, 82.1132, 20.4633 looks on a white background.

Color Contrast Check

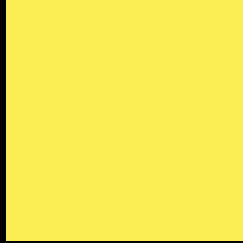
Large Text (above 18pt) WCAG AA × Fail

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 71.5991, 82.1132, 20.4633 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

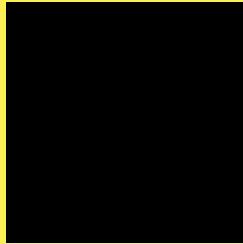
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 71.5991, 82.1132, 20.4633

Background



This preview shows how black text looks on a background with the XYZ color 71.5991, 82.1132, 20.4633.



This preview shows how white text looks on a background with the XYZ color 71.5991, 82.1132,

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

71.5991, 82.1132, 20.4633

Protanopia

75.2503, 81.9406, 35.8948

Deuteranopia

79.8456, 81.9771, 65.6477



Tritanopia

83.8690, 81.8258, 92.2625

Trichromacy



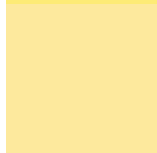
Original Color

71.5991, 82.1132, 20.4633



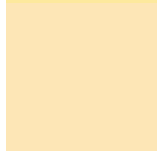
Protanomaly

73.4864, 81.6073, 29.0182



Deuteranomaly

75.7327, 81.5948, 43.6561



Tritanomaly

77.2483, 80.8537, 55.7909

Monochromacy



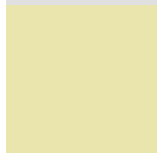
Original Color

71.5991, 82.1132, 20.4633



Achromatopsia

70.8507, 74.5404, 81.1745



Achromatomaly

69.1664, 76.3794, 50.6324

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.5991, 82.1132, 20.4633 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, 238, 84)` looks like.

```
.text, #text, p{  
    color:rgb(250, 238, 84)  
}
```

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, 238, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 238, 84) }
```

Border

The CSS property to change the border of an element to XYZ 71.5991, 82.1132, 20.4633 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, 238, 84) }
```


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

```
.border{ border-color:rgb(250, 238, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(250, 238, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 238, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 238, 84);  
box-shadow:4px 4px 4px 4px rgb(250, 238,  
84) }
```

Background

The CSS property to change the background color of an element to XYZ 71.5991, 82.1132, 20.4633 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 238, 84) }
```

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

```
.background{ background-color: rgb(250,  
238, 84) }
```

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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