

Converting Colors

XYZ(72.1991, 81.1867, 20.1711)

Have a look what the booklet for
XYZ(72.1991, 81.1867, 20.1711)
contains.

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Color

**XYZ(72.1816, 81.1276,
20.2423)**

Conversions

Conversions Part 1

Format	Color
Hex	FEEB54
RGB	254, 235, 84
RGB Percent	100%, 92%, 33%
CMY	0.0039, 0.0784, 0.6706
CMYK	0.00, 0.07, 0.67, 0.00
HSL	53°, 99%, 66%
HSV	53°, 67%, 100%
XYZ	72.1816, 81.1276, 20.2423
YIQ	223.4670, 59.7950, -42.9330

Conversions

Conversions Part 2

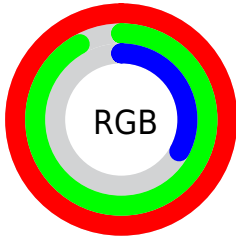
Format	Color
RYB	105, 254, 84
Decimal	16706388
CIELab	92.19, -10.15, 72.39
CIELCh	92, 73.094, 97.985
Yxy	81.1276, 0.4159, 0.4675
Android (android.graphics.Color)	4294896468 (0xFFFEEB54)
YUV	223.4670, -68.7572, 26.7774
Hunter-Lab	90.0709, -14.5765, 49.7249

Details

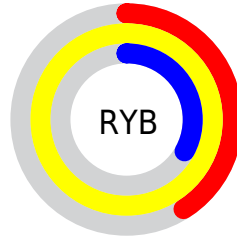
The XYZ color **72.1816, 81.1276, 20.2423** is a light color, and the websafe version is hex **FFFF66**. The color can be described as light muted yellow. A complement of this color would be **26.3958, 18.7407, 95.9914**, and the grayscale version is **70.9181, 74.6113, 81.2517**.

A 20% lighter version of the original color is **81.8077, 94.7031, 39.1671**, and **38.6487, 44.1436, 6.8990** is the 20% darker color. If you saturate the color by 10%, you get **70.5562, 79.1908, 15.6508**, and if you desaturate by 10%, it is **74.1842, 83.2422, 26.7399**.

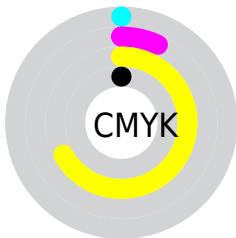
Distribution



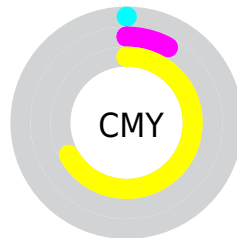
- Red (100%)
- Green (92%)
- Blue (33%)



- Red (41%)
- Yellow (100%)
- Blue (33%)



- Cyan (0%)
- Magenta (7%)
- Yellow (67%)
- Black (0%)





- Cyan (0%)
- Magenta (8%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 72.1816, 81.1276, 20.2423 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 72.1816, 81.1276, 20.2423 by changing the saturation by 10% instead.


 72.1816, 81.1276,
20.2423


 72.1816, 81.1276,
20.2423

457.3213,
498.7248, 265.8713


 53.5930, 60.6467,
12.3855


 121.3241,
134.9499, 44.6873


 38.5058, 43.9401,
6.8811


 152.6087,
169.0601, 62.1126

 26.5545, 30.6234,
3.3105


 188.8561,
208.4822, 83.5645

 17.3737, 20.3123,
1.2553

 230.4315,
253.6006, 109.4615

 10.5983, 12.6222,
0.0247

277.7004,
304.7997, 140.2221

 5.8627, 7.1689,
0.0000

331.0281,

 2.8016, 3.5680,

362.4638, 176.2649

0.0000

390.7799,
426.9774, 218.0085

■ 1.0497, 1.4350,
0.0000

■ 0.0000, 0.2423,
0.0000

■ 72.1816, 81.1276,
20.2423

■ 72.1816, 81.1276,
20.2423

■ 70.5562, 79.1908,
15.6508

■ 74.1842, 83.2422,
26.7399

■ 69.2612, 77.4038,
12.7439

■ 76.5936, 85.5372,
35.3230

■ 68.2463, 75.7493,
11.2482

■ 79.4423, 88.0289,
46.1558

■ 67.9663, 75.2578,
10.9440

■ 82.7584, 90.7285,
59.3847

■ 86.5674, 93.6465,
75.1439

■ 90.8928, 96.7922,
93.5574

94.6417, 99.7286,
108.8691

94.6828, 99.8107,
108.8828

Harmonies

Analogous

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



91.5155, 81.1276, 22.8017



72.1816, 81.1276, 20.2423



56.8773, 81.1276, 29.1636

Triad

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



72.1816, 81.1276, 20.2423



51.9161, 81.1276, 168.8964



115.8458, 81.1276, 133.2582

Complementary

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



72.1816, 81.1276, 20.2423



26.3958, 18.7407, 95.9914

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.



101.6469, 81.1276, 198.0617



72.1816, 81.1276, 20.2423



64.3004, 81.1276, 223.8141

Square

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



72.1816, 81.1276, 20.2423



46.4872, 81.1276, 103.5580



82.2564, 81.1276, 236.2389



118.8789, 81.1276, 74.6806

Rectangle

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



72.1816, 81.1276, 20.2423



50.2701, 81.1276, 43.9267



82.2564, 81.1276, 236.2389



112.1205, 81.1276, 155.6148

Sweetspot

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



72.1835, 81.1314, 20.2439



86.1082, 93.5579, 70.6468



46.5339, 28.4083, 16.0842



18.1979, 19.8474, 14.1566



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.



72.1835, 81.1314, 20.2439



70.7528, 79.3296, 14.7150



57.9873, 82.3210, 21.2218



19.3777, 20.7236, 19.1231



35.9016, 39.8144, 5.7927



3.5429, 3.9712, 0.5798

Inverse Universe

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



26.3958, 18.7407, 95.9914



21.8501, 12.7936, 95.9255



33.4853, 19.9026, 95.8420



17.1664, 17.7043, 22.7625



9.7065, 4.3225, 49.7573



0.9956, 0.5219, 4.8615

Previews

White Background



This preview shows how the XYZ color 72.1816, 81.1276, 20.2423 looks on a white background.

Color Contrast Check

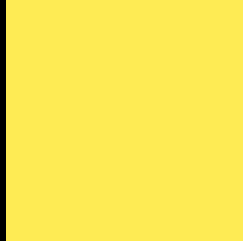
Large Text (above 18pt) WCAG AA × Fail

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 72.1816, 81.1276, 20.2423 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 72.1816, 81.1276, 20.2423

Background



This preview shows how black text looks on a background with the XYZ color 72.1816, 81.1276, 20.2423.



This preview shows how white text looks on a background with the XYZ color 72.1816, 81.1276,

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

72.1816, 81.1276, 20.2423

Protanopia

74.3414, 81.1228, 32.5089

Deuteranopia

78.8337, 80.6869, 63.0489



Tritanopia

83.1606, 81.1086, 89.8697

Trichromacy



Original Color

72.1816, 81.1276, 20.2423



Protanomaly

73.6435, 81.2979, 27.4334



Deuteranomaly

75.7323, 80.7784, 42.6106



Tritanomaly

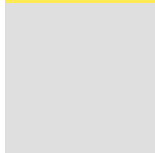
77.4975, 80.5939, 54.6516

Monochromacy



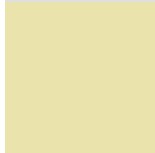
Original Color

72.1816, 81.1276, 20.2423



Achromatopsia

70.1384, 73.7910, 80.3584



Achromatomaly

68.8472, 75.4092, 49.9565

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.1816, 81.1276, 20.2423 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(254, 235, 84)` looks like.

```
.text, #text, p{  
    color:rgb(254, 235, 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(254, 235, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 235, 84) }
```

Border

The CSS property to change the border of an element to XYZ 72.1816, 81.1276, 20.2423 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(254, 235, 84) }
```


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

```
.border{ border-color:rgb(254, 235, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 235, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 235, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 235, 84);  
box-shadow:4px 4px 4px 4px rgb(254, 235,  
84) }
```

Background

The CSS property to change the background color of an element to XYZ 72.1816, 81.1276, 20.2423 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 235, 84) }
```

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

```
.background{ background-color: rgb(254,  
235, 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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