

Converting Colors

XYZ(79.9906, 80.9589, 28.6029)

Have a look what the booklet for
XYZ(79.9906, 80.9589, 28.6029)
contains.

XYZ(71.4352, 76.4184, 28.1247)	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(71.4352, 76.4184,
28.1247)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE176
RGB	255, 225, 118
RGB Percent	100%, 88%, 46%
CMY	0.0000, 0.1176, 0.5372
CMYK	0.00, 0.12, 0.54, 0.00
HSL	47°, 100%, 73%
HSV	47°, 54%, 100%
XYZ	71.4352, 76.4184, 28.1247
YIQ	221.7720, 52.2270, -26.9170

Conversions

Conversions Part 2

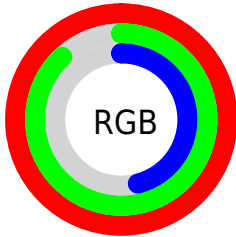
Format	Color
R_{YB}	156, 255, 118
Decimal	16769398
CIE _{Lab}	90.05, -2.53, 55.48
CIE _{LCh}	90, 55.536, 92.609
Yxy	76.4184, 0.4059, 0.4342
Android (android.graphics.Color)	4294959478 (0xFFFFE176)
YUV	221.7720, -51.1596, 29.1410
Hunter-Lab	87.4176, -7.1157, 42.1171

Details

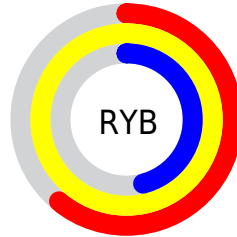
The XYZ color **71.4352, 76.4184, 28.1247** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **36.1108, 32.2502, 98.9290**, and the grayscale version is **69.5957, 73.2201, 79.7367**.

A 20% lighter version of the original color is **84.4464, 95.7586, 53.0622**, and **38.0938, 40.8669, 10.8814** is the 20% darker color. If you saturate the color by 10%, you get **68.6359, 72.9259, 20.6995**, and if you desaturate by 10%, it is **74.6971, 80.1806, 37.7262**.

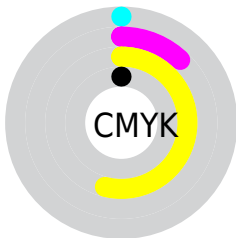
Distribution



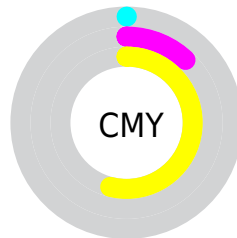
- Red (100%)
- Green (88%)
- Blue (46%)



- Red (61%)
- Yellow (100%)
- Blue (46%)



- Cyan (0%)
- Magenta (12%)
- Yellow (54%)
- Black (0%)





- Cyan (0%)
- Magenta (12%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 71.4352, 76.4184, 28.1247 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 71.4352, 76.4184, 28.1247 by changing the saturation by 10% instead.


 71.4352, 76.4184,
28.1247

 71.4352, 76.4184,
28.1247


454.7615,
482.7788, 306.9930


 52.9812, 56.7757,
18.1798


 120.2683,
128.3182, 57.7090

 38.0152, 40.8252,
10.9084


 151.3782,
161.3440, 78.1854

 26.1718, 28.1825,
5.8919


 187.4375,
199.5996, 103.0095

 17.0855, 18.4633,
2.7117

228.8115,
243.4694, 132.5997

 10.3912, 11.2831,
0.9493

275.8655,
293.3379, 167.3747

 5.7233, 6.2576,
0.0000

328.9649,

 2.7166, 3.0023,

349.5893, 207.7528

0.0000

388.4752,
412.6081, 254.1527

■ 1.0057, 1.1330,
0.0000

■ 0.0000, 0.0059,
0.0000

■ 71.4352, 76.4184,
28.1247

■ 71.4352, 76.4184,
28.1247

■ 68.6359, 72.9259,
20.6995

■ 74.6971, 80.1806,
37.7262

■ 66.2594, 69.6780,
15.2676

■ 78.4466, 84.2147,
49.6580

■ 64.2678, 66.6614,
11.6238

■ 82.7132, 88.5360,
64.0652

■ 62.6128, 63.8562,
9.5158

■ 87.5226, 93.1556,
81.0799

■ 61.7029, 62.1860,
8.7510

■ 92.8983, 98.0835,
100.8249

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.



85.5061, 76.4184, 32.4123



71.4352, 76.4184, 28.1247



59.2809, 76.4184, 34.2878

Triad

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



71.4352, 76.4184, 28.1247



52.5378, 76.4184, 131.1159



98.7647, 76.4184, 123.1881

Complementary

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



71.4352, 76.4184, 28.1247



36.1108, 32.2502, 98.9290

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.



87.8539, 76.4184, 164.8053



71.4352, 76.4184, 28.1247



61.1222, 76.4184, 170.3076

Square

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



71.4352, 76.4184, 28.1247



49.2678, 76.4184, 86.7052



73.8449, 76.4184, 184.2477



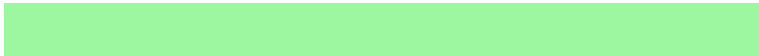
102.4181, 76.4184, 79.8035

Rectangle

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



71.4352, 76.4184, 28.1247



53.5655, 76.4184, 45.1364



73.8449, 76.4184, 184.2477



95.7617, 76.4184, 138.2600

Sweetspot

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



71.4370, 76.4220, 28.1262



86.3795, 92.0779, 76.9725



53.2211, 36.4185, 33.0654



18.2727, 19.5027, 15.7058



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.



71.4370, 76.4220, 28.1262



68.5651, 72.8334, 20.5239



68.0834, 87.8053, 30.5002



19.2040, 20.3761, 19.0652



32.3564, 32.7239, 4.6110



3.2299, 3.3452, 0.4754

Inverse Universe

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



36.1108, 32.2502, 98.9290



30.1016, 24.8009, 97.8083



37.9573, 27.1002, 97.8376



17.3254, 18.0224, 22.8155



10.2549, 5.4194, 49.9401



1.0748, 0.6802, 4.8879

Previews

White Background



This preview shows how the XYZ color 71.4352, 76.4184, 28.1247 looks on a white background.

Color Contrast Check

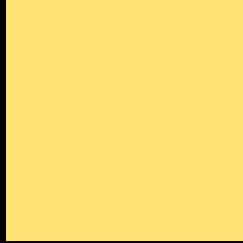
Large Text (above 18pt) WCAG AA × Fail

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 71.4352, 76.4184, 28.1247 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 71.4352, 76.4184, 28.1247

Background



This preview shows how black text looks on a background with the XYZ color 71.4352, 76.4184, 28.1247.



This preview shows how white text looks on a background with the XYZ color 71.4352, 76.4184,

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

71.4352, 76.4184, 28.1247

Protanopia

70.2232, 76.5941, 28.5357

Deuteranopia

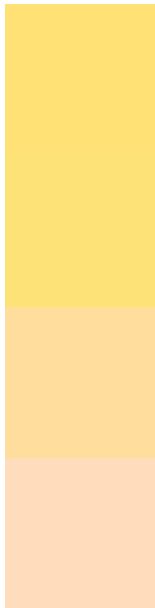
75.3347, 76.2682, 53.9307



Tritanopia

80.0564, 76.4871, 83.9429

Trichromacy



Original Color

71.4352, 76.4184, 28.1247

Protanomaly

70.6710, 76.4201, 28.4785

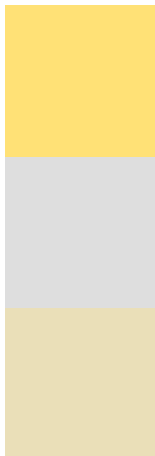
Deuteranomaly

73.4471, 75.9369, 42.6845

Tritanomaly

75.9103, 76.0772, 58.2604

Monochromacy



Original Color

71.4352, 76.4184, 28.1247

Achromatopsia

69.4303, 73.0461, 79.5472

Achromatomaly

68.9711, 73.7285, 55.9433

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.4352, 76.4184, 28.1247 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, 225, 118)` looks like.

```
.text, #text, p{  
    color:rgb(255, 225, 118)  
}
```

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, 225, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 225, 118) }
```

Border

The CSS property to change the border of an element to XYZ 71.4352, 76.4184, 28.1247 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, 225, 118) }
```


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

```
.border{ border-color:rgb(255, 225, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 225, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 225, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 225, 118);  
box-shadow:4px 4px 4px 4px rgb(255, 225,  
118) }
```

Background

The CSS property to change the background color of an element to XYZ 71.4352, 76.4184, 28.1247 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 225, 118) }
```

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

```
.background{ background-color: rgb(255,  
225, 118) }
```

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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