

Converting Colors

XYZ(79.3383, 79.0402, 32.8902)

Have a look what the booklet for
XYZ(79.3383, 79.0402, 32.8902)
contains.

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Color

**XYZ(71.5261, 75.1685,
32.5689)**

Conversions

Conversions Part 1

Format	Color
Hex	FFDE84
RGB	255, 222, 132
RGB Percent	100%, 87%, 52%
CMY	0.0000, 0.1294, 0.4823
CMYK	0.00, 0.13, 0.48, 0.00
HSL	44°, 100%, 76%
HSV	44°, 48%, 100%
XYZ	71.5261, 75.1685, 32.5689
YIQ	221.6070, 48.5580, -20.9940

Conversions

Conversions Part 2

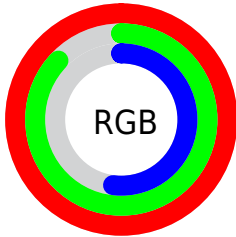
Format	Color
R_{YB}	177, 255, 132
Decimal	16768644
CIE _{Lab}	89.47, 0.17, 48.09
CIE _{LCh}	89, 48.093, 89.796
Yxy	75.1685, 0.3990, 0.4193
Android (android.graphics.Color)	4294958724 (0xFFFFDE84)
YUV	221.6070, -44.1763, 29.2857
Hunter-Lab	86.6998, -4.4646, 38.4175

Details

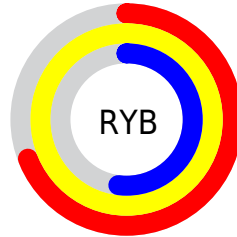
The XYZ color **71.5261, 75.1685, 32.5689** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **41.0203, 39.0343, 99.9797**, and the grayscale version is **69.4332, 73.0491, 79.5505**.

A 20% lighter version of the original color is **85.8629, 96.3252, 60.5215**, and **38.0316, 39.9524, 13.2965** is the 20% darker color. If you saturate the color by 10%, you get **68.2104, 70.9968, 23.8818**, and if you desaturate by 10%, it is **75.3456, 79.6653, 43.5295**.

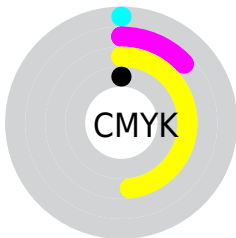
Distribution



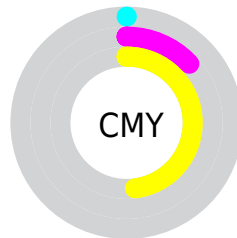
- Red (100%)
- Green (87%)
- Blue (52%)



- Red (69%)
- Yellow (100%)
- Blue (52%)



- Cyan (0%)
- Magenta (13%)
- Yellow (48%)
- Black (0%)



- Cyan (0%)
- Magenta (13%)
- Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 71.5261, 75.1685, 32.5689 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 71.5261, 75.1685, 32.5689 by changing the saturation by 10% instead.

71.5261, 75.1685,
32.5689

71.5261, 75.1685,
32.5689

455.0737,
478.4965, 328.2749

53.0557, 55.7509,
21.5280

120.3970,
126.5509, 64.8101

38.0749, 40.0033,
13.3155

151.5282,
159.2844, 86.8475

26.2183, 27.5411,
7.5129

187.6104,
197.2255, 113.3875

17.1206, 17.9800,
3.7016

229.0090,
240.7584, 144.8486

10.4163, 10.9356,
1.4631

276.0892,
290.2676, 181.6493

5.7402, 6.0236,
0.1902

329.2165,

2.7269, 2.8594,

346.1374, 224.2083

0.0000

388.7562,
408.7522, 272.9440

■ 1.0111, 1.0588,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 71.5261, 75.1685,
32.5689

■ 71.5261, 75.1685,
32.5689

■ 68.2104, 70.9968,
23.8818

■ 75.3456, 79.6653,
43.5295

■ 65.3607, 67.1251,
17.2967

■ 79.6927, 84.4897,
56.9090

■ 62.9417, 63.5410,
12.6252

■ 84.5962, 89.6572,
72.8460

■ 60.9101, 60.2255,
9.6428

■ 90.0808, 95.1792,
91.4673

■ 59.2063, 57.1534,
8.0405

95.0498, 99.9999,
108.9000

■ 58.9250, 56.6303,
7.8251

Harmonies

Analogous

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



83.4700, 75.1685, 37.5747



71.5261, 75.1685, 32.5689



60.7602, 75.1685, 37.4373

Triad

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



71.5261, 75.1685, 32.5689



53.5200, 75.1685, 118.5402



92.8874, 75.1685, 119.0532

Complementary

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



71.5261, 75.1685, 32.5689



41.0203, 39.0343, 99.9797

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.



83.3152, 75.1685, 152.1203



71.5261, 75.1685, 32.5689



60.6349, 75.1685, 151.7713

Square

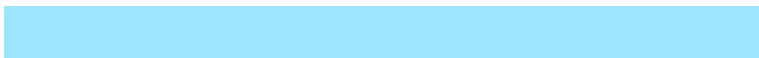
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



71.5261, 75.1685, 32.5689



51.0855, 75.1685, 81.6149



71.3648, 75.1685, 165.4696



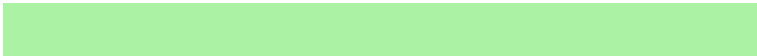
96.6025, 75.1685, 82.0770

Rectangle

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



71.5261, 75.1685, 32.5689



55.4895, 75.1685, 46.6772



71.3648, 75.1685, 165.4696



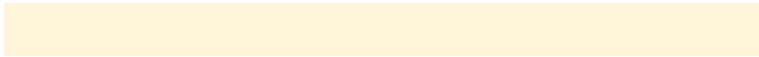
90.1996, 75.1685, 131.3262

Sweetspot

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



71.5279, 75.1720, 32.5704



86.8465, 91.9518, 80.3963



56.4528, 40.5477, 41.3385



18.3405, 19.4295, 16.3716



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.



71.5279, 75.1720, 32.5704



68.2829, 71.0913, 24.0606



72.0310, 89.7370, 35.3552



19.1249, 20.2179, 19.0388



30.9194, 29.8500, 4.1320



3.1007, 3.0868, 0.4324

Inverse Universe

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



41.0203, 39.0343, 99.9797



34.5239, 31.1489, 98.8005



40.5307, 31.0586, 98.4661



17.3993, 18.1702, 22.8401



10.6285, 6.1667, 50.0647



1.1203, 0.7713, 4.9031

Previews

White Background



This preview shows how the XYZ color 71.5261, 75.1685, 32.5689 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 71.5261, 75.1685, 32.5689 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 71.5261, 75.1685, 32.5689

Background



This preview shows how black text looks on a background with the XYZ color 71.5261, 75.1685, 32.5689.



This preview shows how white text looks on a background with the XYZ color 71.5261, 75.1685,

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

71.5261, 75.1685, 32.5689

Protanopia

69.1649, 75.1367, 33.0478

Deuteranopia

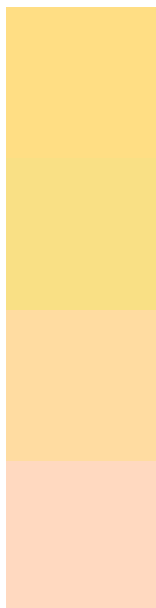
74.6074, 75.1374, 52.6902



Tritanopia

79.1517, 74.8992, 82.9583

Trichromacy



Original Color

71.5261, 75.1685, 32.5689

Protanomaly

69.9562, 75.1445, 33.0076

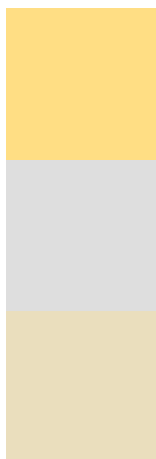
Deuteranomaly

73.2662, 75.0196, 44.3369

Tritanomaly

75.5673, 74.6915, 60.3032

Monochromacy



Original Color

71.5261, 75.1685, 32.5689

Achromatopsia

69.4303, 73.0461, 79.5472

Achromatomaly

69.2383, 73.4091, 58.6642

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.5261, 75.1685, 32.5689 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, 222, 132)` looks like.

```
.text, #text, p{  
    color:rgb(255, 222, 132)  
}
```

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, 222, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 222, 132) }
```

Border

The CSS property to change the border of an element to XYZ 71.5261, 75.1685, 32.5689 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, 222, 132) }
```


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

```
.border{ border-color:rgb(255, 222, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 222, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 222, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 222, 132);  
box-shadow:4px 4px 4px 4px rgb(255, 222,  
132) }
```

Background

The CSS property to change the background color of an element to XYZ 71.5261, 75.1685, 32.5689 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 222, 132) }
```

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

```
.background{ background-color: rgb(255,  
222, 132) }
```

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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