

Converting Colors

XYZ(71.2115, 78.3179, 20.8152)

Have a look what the booklet for
XYZ(71.2115, 78.3179, 20.8152)
contains.

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Color

**XYZ(71.3400, 78.5749,
20.8576)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE659
RGB	255, 230, 89
RGB Percent	100%, 90%, 35%
CMY	0.0000, 0.0980, 0.6510
CMYK	0.00, 0.10, 0.65, 0.00
HSL	51°, 100%, 67%
HSV	51°, 65%, 100%
XYZ	71.3400, 78.5749, 20.8576
YIQ	221.4010, 60.1610, -38.5510

Conversions

Conversions Part 2

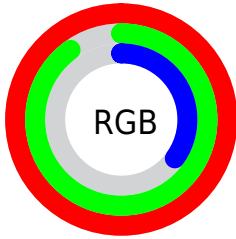
Format	Color
R _Y B	118, 255, 89
Decimal	16770649
CIE Lab	91.04, -6.99, 69.26
CIE LCh	91, 69.615, 95.763
Yxy	78.5749, 0.4177, 0.4601
Android (android.graphics.Color)	4294960729 (0xFFFFE659)
YUV	221.4010, -65.2737, 29.4663
Hunter-Lab	88.6425, -11.4665, 48.0988

Details

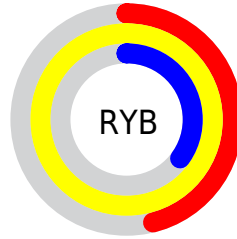
The XYZ color **71.3400, 78.5749, 20.8576** is a light color, and the websafe version is hex **FFFF66**. The color can be described as light muted yellow. A complement of this color would be **28.1871, 21.3779, 97.2480**, and the grayscale version is **69.4262, 73.0418, 79.5425**.

A 20% lighter version of the original color is **82.1108, 94.8243, 40.7633**, and **38.0335, 42.3412, 7.2050** is the 20% darker color. If you saturate the color by 10%, you get **69.3931, 76.1083, 15.8098**, and if you desaturate by 10%, it is **73.6848, 81.2443, 27.8686**.

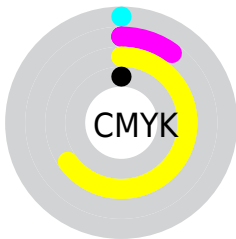
Distribution



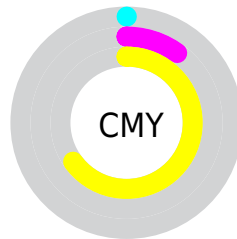
- Red (100%)
- Green (90%)
- Blue (35%)



- Red (46%)
- Yellow (100%)
- Blue (35%)



- Cyan (0%)
- Magenta (10%)
- Yellow (65%)
- Black (0%)





- Cyan (0%)
- Magenta (10%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 71.3400, 78.5749, 20.8576 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 71.3400, 78.5749, 20.8576 by changing the saturation by 10% instead.


 71.3400, 78.5749,
20.8576


 71.3400, 78.5749,
20.8576


454.4345,
490.1171, 269.2769


 52.9032, 58.5464,
12.8297


 120.1336,
131.3602, 45.7281

 37.9527, 42.2480,
7.1821


 151.2212,
164.8858, 63.4079

 26.1230, 29.2956,
3.4960


 187.2564,
203.6792, 85.1420

 17.0489, 19.3045,
1.3532

 228.6046,
248.1248, 111.3490

 10.3649, 11.8905,
0.1048

275.6311,
298.6070, 142.4474

 5.7056, 6.6692,
0.0000

328.7014,

 2.7059, 3.2561,

355.5102, 178.8559

0.0000

388.1807,
419.2187, 220.9929

■ 1.0002, 1.2668,
0.0000

■ 0.0000, 0.1153,
0.0000

■ 71.3400, 78.5749,
20.8576

■ 71.3400, 78.5749,
20.8576

■ 69.3931, 76.1083,
15.8098

■ 73.6848, 81.2443,
27.8686

■ 67.7982, 73.8169,
12.5088

■ 76.4567, 84.1195,
37.0195

■ 66.5076, 71.6844,
10.6954

■ 79.6882, 87.2166,
48.4728

■ 65.9512, 70.6828,
10.1671

■ 83.4069, 90.5470,
62.3738

87.6383, 94.1210,
78.8560

92.4061, 97.9485,
98.0430

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.



89.4379, 78.5749, 24.1572



71.3400, 78.5749, 20.8576



56.6175, 78.5749, 28.5872

Triad

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



71.3400, 78.5749, 20.8576



50.4736, 78.5749, 155.5257



109.9436, 78.5749, 131.7708

Complementary

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



71.3400, 78.5749, 20.8576



28.1871, 21.3779, 97.2480

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.



96.2329, 78.5749, 190.6133



71.3400, 78.5749, 20.8576



61.6474, 78.5749, 207.6811

Square

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



71.3400, 78.5749, 20.8576



45.8455, 78.5749, 95.6484



78.1290, 78.5749, 222.5531



113.6189, 78.5749, 76.1974

Rectangle

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



71.3400, 78.5749, 20.8576



50.0772, 78.5749, 41.8267



78.1290, 78.5749, 222.5531



106.2609, 78.5749, 152.4024

Sweetspot

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



71.3418, 78.5786, 20.8592



85.4982, 92.3379, 70.4435



48.0040, 29.6819, 19.9272



18.0497, 19.5510, 14.1072



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.



71.3418, 78.5786, 20.8592



68.8958, 75.4257, 14.6816



61.2939, 84.4746, 22.5268



19.3145, 20.5972, 19.1020



34.5494, 37.1100, 5.3420



3.4244, 3.7341, 0.5403

Inverse Universe

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



28.1871, 21.3779, 97.2480



23.0180, 14.7267, 96.2371



33.1830, 20.3250, 96.7814



17.2237, 17.8190, 22.7816



9.8659, 4.6413, 49.8105



1.0225, 0.5757, 4.8705

Previews

White Background



This preview shows how the XYZ color 71.3400, 78.5749, 20.8576 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 71.3400, 78.5749, 20.8576 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 71.3400, 78.5749, 20.8576

Background



This preview shows how black text looks on a background with the XYZ color 71.3400, 78.5749, 20.8576.

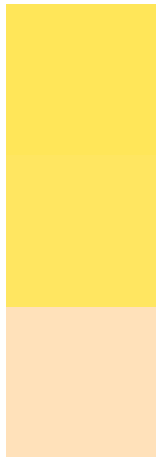


This preview shows how white text looks on a background with the XYZ color 71.3400, 78.5749,

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

71.3400, 78.5749, 20.8576

Protanopia

71.6945, 78.7167, 22.7244

Deuteranopia

77.0281, 78.6556, 57.5766



Tritanopia

81.2570, 78.2159, 86.4158

Trichromacy



Original Color

71.3400, 78.5749, 20.8576

Protanomaly

71.5572, 78.6618, 22.0014



Deuteranomaly

74.2950, 78.4325, 40.5014



Tritanomaly

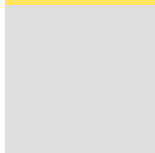
76.0323, 77.8260, 53.6624

Monochromacy



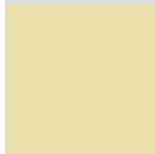
Original Color

71.3400, 78.5749, 20.8576



Achromatopsia

68.7264, 72.3055, 78.7407



Achromatomaly

67.8028, 73.6521, 50.1778

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.3400, 78.5749, 20.8576 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, 230, 89)` looks like.

```
.text, #text, p{  
    color:rgb(255, 230, 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(255, 230, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 230, 89) }
```

Border

The CSS property to change the border of an element to XYZ 71.3400, 78.5749, 20.8576 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, 230, 89) }
```


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

```
.border{ border-color:rgb(255, 230, 89) }
```

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

Here you see how a box with a 4 pixel rgb(255, 230, 89) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 230, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 230, 89);  
box-shadow:4px 4px 4px 4px rgb(255, 230,  
89) }
```

Background

The CSS property to change the background color of an element to XYZ 71.3400, 78.5749, 20.8576 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 230, 89) }
```

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

```
.background{ background-color: rgb(255,  
230, 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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