

Converting Colors

XYZ(113.7266, 100.0000,
30.2876)

Have a look what the booklet for
XYZ(113.7266, 100.0000, 30.2876)
contains.

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Color

**XYZ(72.4702, 78.5830,
28.1781)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE575
RGB	255, 229, 117
RGB Percent	100%, 90%, 46%
CMY	0.0000, 0.1019, 0.5412
CMYK	0.00, 0.10, 0.54, 0.00
HSL	49°, 100%, 73%
HSV	49°, 54%, 100%
XYZ	72.4702, 78.5830, 28.1781
YIQ	224.0060, 51.4480, -29.3200

Conversions

Conversions Part 2

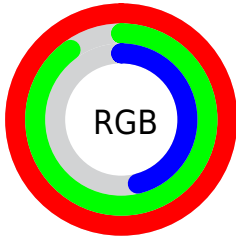
Format	Color
R_{YB}	149, 255, 117
Decimal	16770421
CIE _{Lab}	91.05, -4.62, 57.11
CIE _{LCh}	91, 57.295, 94.624
Yxy	78.5830, 0.4043, 0.4384
Android (android.graphics.Color)	4294960501 (0xFFFFE575)
YUV	224.0060, -52.7540, 27.1817
Hunter-Lab	88.6471, -9.2061, 43.2065

Details

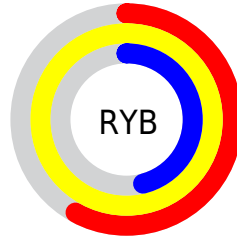
The XYZ color **72.4702, 78.5830, 28.1781** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **35.2083, 30.6458, 98.6669**, and the grayscale version is **71.1971, 74.9049, 81.5714**.

A 20% lighter version of the original color is **84.4464, 95.7586, 53.0622**, and **38.8264, 42.3780, 10.9839** is the 20% darker color. If you saturate the color by 10%, you get **69.8603, 75.4448, 20.8920**, and if you desaturate by 10%, it is **75.5289, 81.9655, 37.6298**.

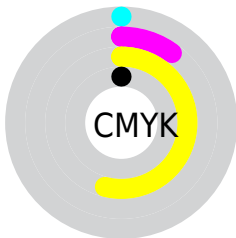
Distribution



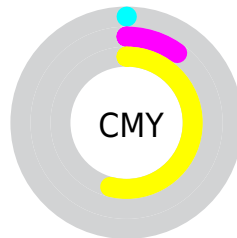
- Red (100%)
- Green (90%)
- Blue (46%)



- Red (58%)
- Yellow (100%)
- Blue (46%)



- Cyan (0%)
- Magenta (10%)
- Yellow (54%)
- Black (0%)





- Cyan (0%)
- Magenta (10%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 72.4702, 78.5830, 28.1781 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 72.4702, 78.5830, 28.1781 by changing the saturation by 10% instead.

 72.4702, 78.5830,
28.1781

 72.4702, 78.5830,
28.1781


458.3088,
490.1445, 307.2556


 53.8297, 58.5530,
18.2197


 121.7320,
131.3716, 57.7952

 38.6957, 42.2534,
10.9368


 153.0840,
164.8991, 78.2910

 26.7027, 29.2998,
5.9107


 189.4039,
203.6945, 103.1364

 17.4855, 19.3077,
2.7230

231.0570,
248.1422, 132.7498

 10.6787, 11.8928,
0.9550

278.4087,
298.6267, 167.5500

 5.9169, 6.6707,
0.0000

331.8243,

 2.8348, 3.2571,

355.5323, 207.9553

0.0000

391.6692,
419.2435, 254.3843

■ 1.0670, 1.2674,
0.0000

■ 0.0000, 0.1157,
0.0000

■ 72.4702, 78.5830,
28.1781

■ 72.4702, 78.5830,
28.1781

■ 69.8603, 75.4448,
20.8920

■ 75.5289, 81.9655,
37.6298

■ 67.6594, 72.5256,
15.5876

■ 79.0613, 85.5938,
49.4016

■ 65.8295, 69.8126,
12.0583

■ 83.0970, 89.4832,
63.6392

■ 64.3219, 67.2861,
10.0494

■ 87.6613, 93.6442,
80.4749

■ 63.5449, 65.8701,
9.3650

■ 92.7778, 98.0869,
100.0317

95.0498, 99.9999,
108.9000

Harmonies

Analogous

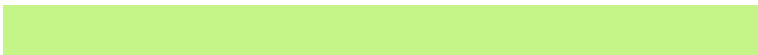
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.2611, 78.5830, 31.8717



72.4702, 78.5830, 28.1781



59.9706, 78.5830, 35.3142

Triad

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



72.4702, 78.5830, 28.1781



54.0540, 78.5830, 139.2963



102.7565, 78.5830, 124.4594

Complementary

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



72.4702, 78.5830, 28.1781



35.2083, 30.6458, 98.6669

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.



91.6419, 78.5830, 169.3165



72.4702, 78.5830, 28.1781



63.3896, 78.5830, 179.6445

Square

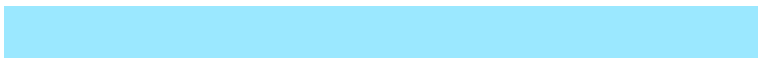
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



72.4702, 78.5830, 28.1781



50.2480, 78.5830, 92.1493



76.9563, 78.5830, 192.1036



105.9990, 78.5830, 79.2993

Rectangle

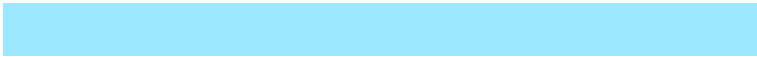
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



72.4702, 78.5830, 28.1781



54.2232, 78.5830, 47.2240



76.9563, 78.5830, 192.1036



99.7525, 78.5830, 140.4863

Sweetspot

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



72.4721, 78.5867, 28.1797



86.7603, 92.8396, 77.0994



52.6817, 36.0153, 30.8027



18.3642, 19.6856, 15.7363



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.



72.4721, 78.5867, 28.1797



69.6502, 75.1784, 20.3463



66.5860, 87.0402, 30.1216



19.2533, 20.4747, 19.0816



33.3079, 34.6270, 4.9282



3.3146, 3.5147, 0.5037

Inverse Universe

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



35.2083, 30.6458, 98.6669



28.9670, 22.9026, 97.5017



38.5914, 27.2533, 97.8337



17.2798, 17.9312, 22.8003



10.0631, 5.0358, 49.8762



1.0499, 0.6305, 4.8796

Previews

White Background



This preview shows how the XYZ color 72.4702, 78.5830, 28.1781 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 72.4702, 78.5830, 28.1781 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 72.4702, 78.5830, 28.1781

Background



This preview shows how black text looks on a background with the XYZ color 72.4702, 78.5830, 28.1781.



This preview shows how white text looks on a background with the XYZ color 72.4702, 78.5830,

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

72.4702, 78.5830, 28.1781

Protanopia

72.0157, 78.7606, 28.2363

Deuteranopia

77.3505, 78.7846, 59.2742



Tritanopia

81.3987, 78.2726, 87.1619

Trichromacy

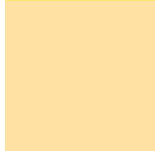


Original Color

72.4702, 78.5830, 28.1781

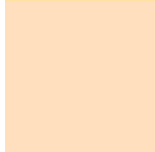
Protanomaly

72.3808, 78.9488, 28.2534



Deuteranomaly

75.0472, 78.2971, 45.8078



Tritanomaly

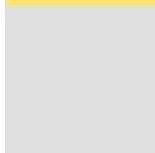
76.9219, 77.7531, 59.6688

Monochromacy



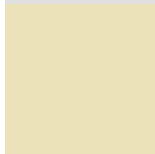
Original Color

72.4702, 78.5830, 28.1781



Achromatopsia

70.8507, 74.5404, 81.1745



Achromatomaly

70.2143, 75.5577, 56.7823

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.4702, 78.5830, 28.1781 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, 229, 117)` looks like.

```
.text, #text, p{  
    color:rgb(255, 229, 117)  
}
```

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, 229, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 229, 117) }
```

Border

The CSS property to change the border of an element to XYZ 72.4702, 78.5830, 28.1781 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, 229, 117) }
```


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

```
.border{ border-color:rgb(255, 229, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 229, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 229, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 229, 117);  
box-shadow:4px 4px 4px 4px rgb(255, 229,  
117) }
```

Background

The CSS property to change the background color of an element to XYZ 72.4702, 78.5830, 28.1781 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 229, 117) }
```

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

```
.background{ background-color: rgb(255,  
229, 117) }
```

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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