

Converting Colors

XYZ(72.8449, 78.6349, 35.5403)

Have a look what the booklet for
XYZ(72.8449, 78.6349, 35.5403)
contains.

XYZ(72.7516, 78.5690, 35.3757)	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(72.7516, 78.5690,
35.3757)**

Conversions

Conversions Part 1

Format	Color
Hex	FCE58A
RGB	252, 229, 138
RGB Percent	99%, 90%, 54%
CMY	0.0118, 0.1019, 0.4588
CMYK	0.00, 0.09, 0.45, 0.01
HSL	48°, 95%, 76%
HSV	48°, 45%, 99%
XYZ	72.7516, 78.5690, 35.3757
YIQ	225.5030, 42.9190, -23.4250

Conversions

Conversions Part 2

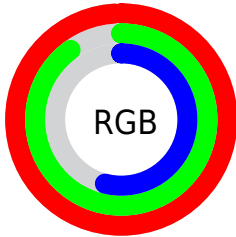
Format	Color
RYB	167, 252, 138
Decimal	16573834
CIELab	91.04, -4.00, 47.06
CIElCh	91, 47.227, 94.860
Yxy	78.5690, 0.3897, 0.4208
Android (android.graphics.Color)	4294763914 (0xFFFC58A)
YUV	225.5030, -43.1390, 23.2379
Hunter-Lab	88.6392, -8.6126, 38.3849

Details

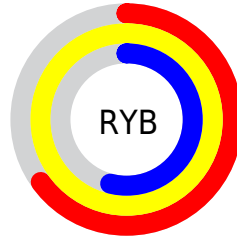
The XYZ color **72.7516, 78.5690, 35.3757** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **40.7965, 37.9201, 97.2643**, and the grayscale version is **72.2113, 75.9719, 82.7334**.

A 20% lighter version of the original color is **86.6256, 96.6303, 64.5379**, and **39.0639, 42.4133, 14.9318** is the 20% darker color. If you saturate the color by 10%, you get **69.7494, 75.1535, 26.3945**, and if you desaturate by 10%, it is **76.2221, 82.2435, 46.6029**.

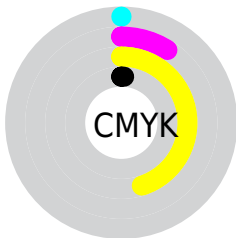
Distribution



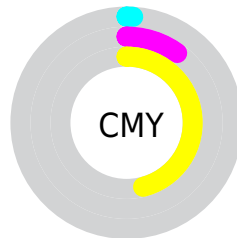
- Red (99%)
- Green (90%)
- Blue (54%)



- Red (65%)
- Yellow (99%)
- Blue (54%)



- Cyan (0%)
- Magenta (9%)
- Yellow (45%)
- Black (1%)





- Cyan (1%)
- Magenta (10%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 72.7516, 78.5690, 35.3757 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 72.7516, 78.5690, 35.3757 by changing the saturation by 10% instead.


 72.7516, 78.5690,
35.3757

 72.7516, 78.5690,
35.3757


459.2706,
490.0971, 341.1781


 54.0605, 58.5415,
23.6666


 122.1295,
131.3519, 69.2255

 38.8809, 42.2441,
14.8765


 153.5471,
164.8762, 92.2033

 26.8474, 29.2925,
8.5871


 189.9376,
203.6681, 119.7744

 17.5946, 19.3022,
4.3798

231.6663,
248.1121, 152.3573

 10.7573, 11.8889,
1.8359

279.0986,
298.5926, 190.3706

 5.9700, 6.6680,
0.4515

332.5998,

 2.8673, 3.2554,

355.4940, 234.2328

0.0000

392.5354,
419.2007, 284.3624

■ 1.0840, 1.2665,
0.0000

■ 0.0117, 0.1150,
0.0000

■ 72.7516, 78.5690,
35.3757

■ 72.7516, 78.5690,
35.3757

■ 69.7494, 75.1535,
26.3945

■ 76.2221, 82.2435,
46.6029

■ 67.1798, 71.9734,
19.4980

■ 80.1823, 86.1775,
60.2127

■ 65.0107, 69.0183,
14.5110

■ 84.6591, 90.3851,
76.3366

■ 63.2027, 66.2719,
11.2276

■ 89.6758, 94.8761,
95.0950

■ 61.7072, 63.7141,
9.3937

■ 93.7702, 99.0663,
108.7872

■ 61.0714, 62.5486,
8.8543

■ 93.9548, 99.4354,
108.8487

Harmonies

Analogous

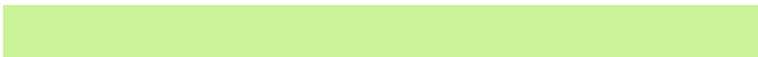
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.8499, 78.5690, 38.8031



72.7516, 78.5690, 35.3757



62.3220, 78.5690, 42.1811

Triad

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



72.7516, 78.5690, 35.3757



57.3964, 78.5690, 128.8453



97.4207, 78.5690, 116.5938

Complementary

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



72.7516, 78.5690, 35.3757



40.7965, 37.9201, 97.2643

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.



88.5667, 78.5690, 151.5483



72.7516, 78.5690, 35.3757



65.3524, 78.5690, 159.8407

Square

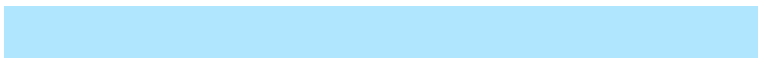
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



72.7516, 78.5690, 35.3757



54.0788, 78.5690, 91.2334



76.6370, 78.5690, 169.0938



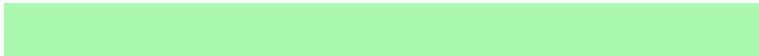
99.9373, 78.5690, 80.1044

Rectangle

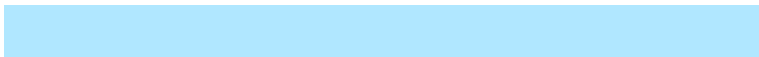
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



72.7516, 78.5690, 35.3757



57.4505, 78.5690, 53.0405



76.6370, 78.5690, 169.0938



95.0439, 78.5690, 129.1923

Sweetspot

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



72.7535, 78.5727, 35.3773



87.5715, 93.4018, 80.6379



55.8178, 41.5068, 39.5802



18.5183, 19.7852, 16.4309



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

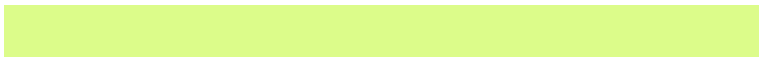
The Same Dimension uses a secret algorithm to generate beautiful new colors.



72.7535, 78.5727, 35.3773



71.9995, 77.6133, 28.1083



68.8226, 86.6246, 37.1387



18.4126, 19.5611, 18.2676



31.9205, 32.7977, 4.6482



3.0291, 3.1831, 0.4547

Inverse Universe

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



40.7965, 37.9201, 97.2643



35.5632, 31.2962, 98.7741



43.3024, 33.7857, 96.3342



16.5665, 17.2099, 21.8340



9.8478, 5.0512, 48.4295



0.9834, 0.6104, 4.5092

Previews

White Background



This preview shows how the XYZ color 72.7516, 78.5690, 35.3757 looks on a white background.

Color Contrast Check

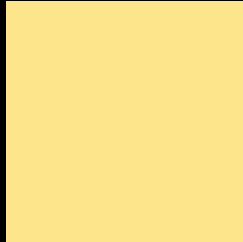
Large Text (above 18pt) WCAG AA × Fail

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 72.7516, 78.5690, 35.3757 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 72.7516, 78.5690, 35.3757

Background



This preview shows how black text looks on a background with the XYZ color 72.7516, 78.5690, 35.3757.



This preview shows how white text looks on a background with the XYZ color 72.7516, 78.5690,

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

72.7516, 78.5690, 35.3757

Protanopia

72.3904, 78.3828, 35.3588

Deuteranopia

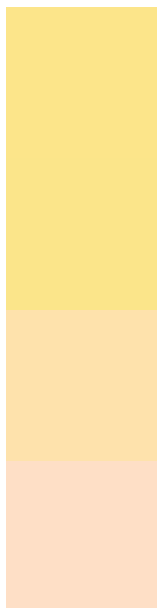
77.2996, 78.3329, 60.3358



Tritanopia

81.5412, 78.3296, 87.9122

Trichromacy



Original Color

72.7516, 78.5690, 35.3757

Protanomaly

72.3904, 78.3828, 35.3588

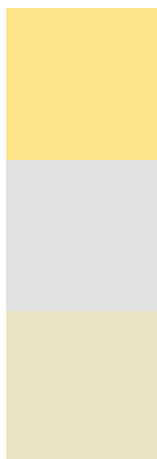
Deuteranomaly

75.5158, 78.4421, 50.1905

Tritanomaly

77.4538, 77.9234, 64.3845

Monochromacy



Original Color

72.7516, 78.5690, 35.3757

Achromatopsia

72.2879, 76.0525, 82.8211

Achromatomaly

71.4676, 76.4954, 62.0373

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.7516, 78.5690, 35.3757 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(252, 229, 138)` looks like.

```
.text, #text, p{  
    color:rgb(252, 229, 138)  
}
```

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(252, 229, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 229, 138) }
```

Border

The CSS property to change the border of an element to XYZ 72.7516, 78.5690, 35.3757 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(252, 229, 138) }
```


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

```
.border{ border-color:rgb(252, 229, 138) }
```

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

Here you see how a box with a 4 pixel rgb(252, 229, 138) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 229, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 229, 138);  
box-shadow:4px 4px 4px 4px rgb(252, 229,  
138) }
```

Background

The CSS property to change the background color of an element to XYZ 72.7516, 78.5690, 35.3757 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 229, 138) }
```

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

```
.background{ background-color: rgb(252,  
229, 138) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor