

Converting Colors

XYZ(71.7193, 77.0935, 32.1898)

Have a look what the booklet for
XYZ(71.7193, 77.0935, 32.1898)
contains.

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Color

**XYZ(72.0064, 77.4325,
32.2699)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | FDE382 |
| RGB | 253, 227, 130 |
| RGB Percent | 99%, 89%, 51% |
| CMY | 0.0078, 0.1098, 0.4902 |
| CMYK | 0.00, 0.10, 0.49, 0.01 |
| HSL | 47°, 97%, 75% |
| HSV | 47°, 49%, 99% |
| XYZ | 72.0064, 77.4325, 32.2699 |
| YIQ | 223.7160, 46.6330, -24.6550 |

Conversions

Conversions Part 2

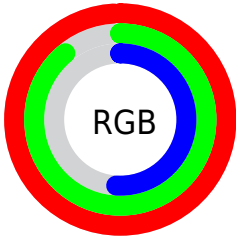
| Format | Color |
|-------------------------------------|---|
| RYB | 163, 253, 130 |
| Decimal | 16638850 |
| CIELab | 90.52, -3.33, 50.31 |
| CIELCh | 91, 50.421, 93.789 |
| Yxy | 77.4325, 0.3963, 0.4261 |
| Android (android.graphics.Color) | 4294828930 (0xFFFDE382) |
| YUV | 223.7160, -46.2020, 25.6821 |
| Hunter-Lab | 87.9957, -7.9270, 39.8541 |

Details

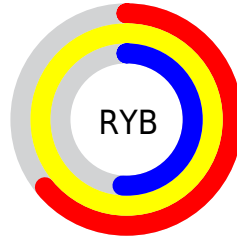
The XYZ color **72.0064, 77.4325, 32.2699** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **38.8237, 35.6135, 97.7562**, and the grayscale version is **70.9465, 74.6412, 81.2843**.

A 20% lighter version of the original color is **85.7570, 96.2828, 59.9635**, and **38.3758, 41.5244, 13.2001** is the 20% darker color. If you saturate the color by 10%, you get **69.0735, 73.9584, 23.9195**, and if you desaturate by 10%, it is **75.4060, 81.1717, 42.8372**.

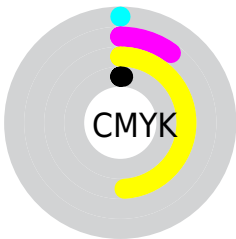
Distribution



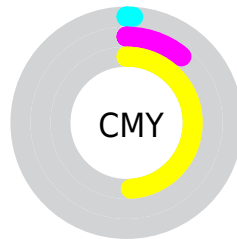
- Red (99%)
- Green (89%)
- Blue (51%)



- Red (64%)
- Yellow (99%)
- Blue (51%)



- Cyan (0%)
- Magenta (10%)
- Yellow (49%)
- Black (1%)





- Cyan (1%)
- Magenta (11%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 72.0064, 77.4325, 32.2699 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 72.0064, 77.4325, 32.2699 by changing the saturation by 10% instead.


 72.0064, 77.4325,
32.2699


 72.0064, 77.4325,
32.2699


456.7212,
486.2374, 326.8774


 53.4494, 57.6079,
21.3012


 121.0764,
129.7498, 64.3368

 38.3905, 41.4935,
13.1510


 152.3201,
163.0113, 86.2721

 26.4645, 28.7049,
7.4006


 188.5233,
201.5206, 112.6999

 17.3060, 18.8577,
3.6317

230.0516,
245.6621, 144.0390

 10.5495, 11.5675,
1.4255

277.2701,
295.8201, 180.7077

 5.8299, 6.4499,
0.1615

330.5443,

 2.7816, 3.1205,

352.3790, 223.1247

0.0000

390.2396,
415.7233, 271.7084

■ 1.0393, 1.1950,
0.0000

■ 0.0000, 0.0576,
0.0000

■ 72.0064, 77.4325,
32.2699

■ 72.0064, 77.4325,
32.2699

■ 69.0735, 73.9584,
23.9195

■ 75.4060, 81.1717,
42.8372

■ 66.5701, 70.7253,
17.6170

■ 79.2950, 85.1770,
55.7641

■ 64.4621, 67.7217,
13.1768

■ 83.7013, 89.4632,
71.1872

■ 62.7071, 64.9300,
10.3774

■ 88.6489, 94.0406,
89.2308

■ 61.2447, 62.3254,
8.9026

93.9174, 98.8214,
108.7322

■ 61.0542, 61.9750,
8.7445

94.3180, 99.6226,
108.8657

Harmonies

Analogous

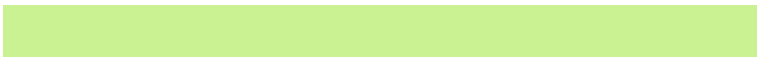
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.8341, 77.4325, 36.0958



72.0064, 77.4325, 32.2699



60.9195, 77.4325, 38.7660

Triad

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



72.0064, 77.4325, 32.2699



55.2294, 77.4325, 129.1263



97.5645, 77.4325, 118.8500

Complementary

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



72.0064, 77.4325, 32.2699



38.8237, 35.6135, 97.7562

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.



87.9222, 77.4325, 156.1914



72.0064, 77.4325, 32.2699



63.3992, 77.4325, 163.2167

Square

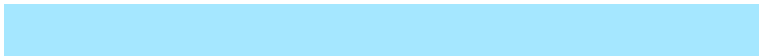
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



72.0064, 77.4325, 32.2699



51.9579, 77.4325, 88.9840



75.2114, 77.4325, 174.3140



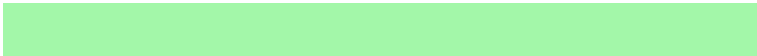
100.5388, 77.4325, 79.8042

Rectangle

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



72.0064, 77.4325, 32.2699



55.7161, 77.4325, 49.5821



75.2114, 77.4325, 174.3140



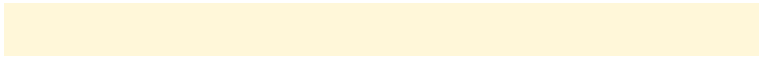
94.9454, 77.4325, 132.3461

Sweetspot

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



72.0083, 77.4361, 32.2715



86.9671, 92.7272, 78.7898



54.5471, 39.2711, 36.4479



18.3934, 19.6404, 16.0652



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

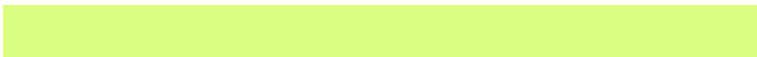
The Same Dimension uses a secret algorithm to generate beautiful new colors.



72.0083, 77.4361, 32.2715



70.4860, 75.4974, 24.7950



68.1132, 86.7909, 34.2824



19.2162, 20.4006, 19.0692



32.5885, 33.1882, 4.6884



3.2506, 3.3866, 0.4824

Inverse Universe

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



38.8237, 35.6135, 97.7562



33.2651, 28.6313, 98.3809



41.1989, 31.0413, 96.7485



17.3140, 17.9997, 22.8117



10.2045, 5.3185, 49.9233



1.0684, 0.6674, 4.8858

Previews

White Background



This preview shows how the XYZ color 72.0064, 77.4325, 32.2699 looks on a white background.

Color Contrast Check

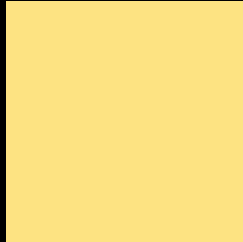
Large Text (above 18pt) WCAG AA × Fail

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 72.0064, 77.4325, 32.2699 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 72.0064, 77.4325, 32.2699

Background



This preview shows how black text looks on a background with the XYZ color 72.0064, 77.4325, 32.2699.

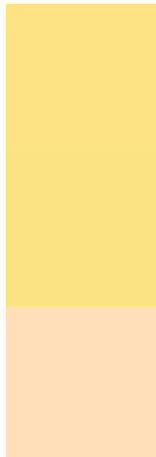


This preview shows how white text looks on a background with the XYZ color 72.0064, 77.4325,

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

72.0064, 77.4325, 32.2699

Protanopia

71.1970, 77.4225, 32.3106

Deuteranopia

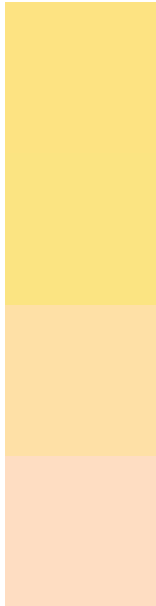
76.4906, 77.5805, 57.3974



Tritanopia

80.7352, 77.1723, 86.2418

Trichromacy



Original Color

72.0064, 77.4325, 32.2699

Protanomaly

71.5563, 77.6077, 32.3275

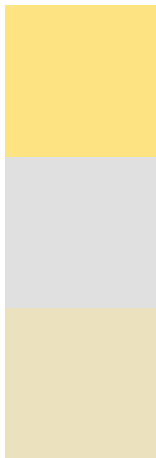
Deuteranomaly

74.4116, 77.1353, 47.0431

Tritanomaly

76.4671, 76.6788, 61.8092

Monochromacy



Original Color

72.0064, 77.4325, 32.2699

Achromatopsia

70.8507, 74.5404, 81.1745

Achromatomaly

70.4804, 75.2303, 59.5214

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.0064, 77.4325, 32.2699 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(253, 227, 130)` looks like.

```
.text, #text, p{  
    color:rgb(253, 227, 130)  
}
```

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(253, 227, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 227, 130) }
```

Border

The CSS property to change the border of an element to XYZ 72.0064, 77.4325, 32.2699 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(253, 227, 130) }
```


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

```
.border{ border-color:rgb(253, 227, 130) }
```

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

Here you see how a box with a 4 pixel rgb(253, 227, 130) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 227, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 227, 130);  
box-shadow:4px 4px 4px 4px rgb(253, 227,  
130) }
```

Background

The CSS property to change the background color of an element to XYZ 72.0064, 77.4325, 32.2699 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 227, 130) }
```

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

```
.background{ background-color: rgb(253,  
227, 130) }
```

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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