Converting Colors

XYZ(76.7914, 78.0477, 61.4705)

Have a look what the booklet for XYZ(76.7914, 78.0477, 61.4705) contains.

XYZ(76.7893, 78.0442, 61.4689) 3
- ***Conversions*** 4
- ***Details*** 6
- ***Harmonies*** 12
- ***Previews*** 24
- ***Color Blindness Simulation*** 28
- ***CSS Examples*** 31

Color

XYZ(76.7893, 78.0442, 61.4689)

Conversions

Conversions Part 1

Format	Color
Hex	FDE0C1
RGB	253, 224, 193
RGB Percent	99%, 88%, 76%
CMY	0.0078, 0.1215, 0.2431
CMYK	0.00, 0.11, 0.24, 0.01
HSL	31°, 94%, 87%
HSV	31°, 24%, 99%
XYZ	76.7893, 78.0442, 61.4689
YIQ	229.1370, 27.2350, -3.4930

Conversions

Conversions Part 2

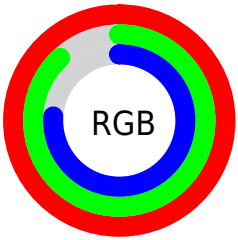
Format	Color
RYB	249, 253, 193
Decimal	16638145
CIELab	90.80, 5.34, 18.84
CIELCh	91, 19.584, 74.182
Yxy	78.0442, 0.3550, 0.3608
Android (android.graphics.Color)	4294828225 (0xFFFDE0C1)
YUV	229.1370, -17.8155, 20.9279
Hunter-Lab	88.3426, 0.5564, 20.5858

Details

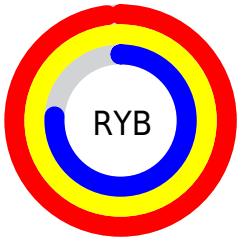
The XYZ color 76.7893, 78.0442, 61.4689 is a light color, and the websafe version is hex FFCC99. A complement of this color would be 65.8427, 70.6700, 103.0993, and the grayscale version is 74.6917, 78.5815, 85.5752.

A 20% lighter version of the original color is 94.2553, 99.6821, 104.7153, and 41.6131, 41.9758, 30.3350 is the 20% darker color. If you saturate the color by 10%, you get 71.0368, 70.6759, 46.7981, and if you desaturate by 10%, it is 83.2650, 86.0854, 78.7646.

Distribution

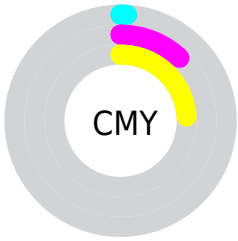


- Red (99%)
- Green (88%)
- Blue (76%)



- Red (98%)
- Yellow (99%)
- Blue (76%)

- Cyan (0%)
- Magenta (11%)
- Yellow (24%)
- Black (1%)



- Cyan (1%)
- Magenta (12%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 76.7893, 78.0442, 61.4689 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 76.7893, 78.0442, 61.4689 by changing the saturation by 10% instead.

76.7893, 78.0442, 61.4689

76.7893, 78.0442, 61.4689

472.9483, 488.3169, 447.9452

57.3793, 58.1103, 44.1707

127.8164, 130.6124, 108.5217

41.5512, 41.8973, 30.4665

160.1643, 164.0155, 139.1134

28.9396, 29.0209, 19.9379

197.5554, 202.6772, 174.9733

19.1792, 19.0966, 12.1663

240.3552, 246.9817, 216.5200

11.9046, 11.7401, 6.7331

288.9291, 297.3136, 264.1720

6.7505, 6.5670, 3.2199

343.6423,

3.3515, 3.1928,

354.0571, 318.3478

404.8603, 417.5968, 379.4661

1.2080

1.3422, 1.2332, 0.0000

0.2145, 0.0886, 0.0000

76.7893, 78.0442, 61.4689

76.7893, 78.0442, 61.4689

71.0368, 70.6759, 46.7981

83.2650, 86.0854, 78.7646

65.9720, 63.9500, 34.6161

90.4855, 94.8074, 98.8020

61.5650, 57.8493, 24.7822

94.3182, 99.6227, 108.8658

57.7810, 52.3514, 17.1393

54.5815, 47.4321, 11.5107

51.9222, 43.0647, 7.6920

49.7502, 39.2184, 5.4341

48.5894, 37.0452, 4.5895

Harmonies

Analogous

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

81.1770, 78.0442, 67.4468

76.7893, 78.0442, 61.4689

71.8833, 78.0442, 61.3075

Triad

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

76.7893, 78.0442, 61.4689

65.3735, 78.0442, 91.7941

80.9742, 78.0442, 105.9411

Complementary

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

76.7893, 78.0442, 61.4689

65.8427, 70.6700, 103.0993

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.

76.5224, 78.0442, 114.0672

76.7893, 78.0442, 61.4689

67.5946, 78.0442, 105.3081

Square

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

76.7893, 78.0442, 61.4689

65.4378, 78.0442, 77.7984

71.6279, 78.0442, 113.8235

83.6651, 78.0442, 92.5838

Rectangle

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

76.7893, 78.0442, 61.4689

68.9860, 78.0442, 64.4629

71.6279, 78.0442, 113.8235

79.6256, 78.0442, 109.4376

Sweetspot

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

76.7914, 78.0477, 61.4705

89.6176, 93.5225, 93.5640

72.7635, 64.2975, 77.6837

19.0855, 19.9016, 19.7577

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.

76.7914, 78.0477, 61.4705

75.5734, 76.1511, 55.8434

84.8963, 94.7967, 64.2762

18.7858, 19.5398, 18.9258

25.9944, 20.0001, 2.4903

2.6404, 2.1662, 0.2789

Inverse Universe

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

65.8427, 70.6700, 103.0993

62.8198, 67.5577, 104.3367

59.0487, 56.7022, 100.7613

17.7275, 18.8265, 22.9495

13.2952, 11.5001, 50.9536

1.4033, 1.3373, 4.9974

Previews

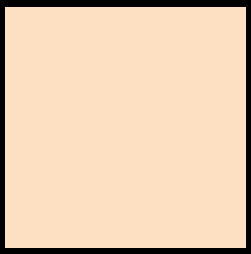
White Background

This preview shows how the XYZ color 76.7893, 78.0442, 61.4689 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



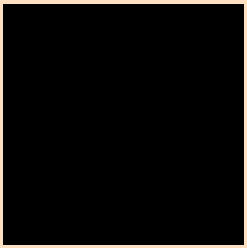
This preview shows how the XYZ color 76.7893, 78.0442, 61.4689 looks on a black background.

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 76.7893, 78.0442, 61.4689 Background



This preview shows how black text looks on a background with the XYZ color 76.7893, 78.0442, 61.4689.

This preview shows how white text looks on a background with the XYZ color 76.7893, 78.0442,

61.4689.

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
76.7893, 78.0442, 61.4689

Protanopia
73.8694, 78.1277, 62.8166

Deuteranopia
78.1408, 77.8143, 67.4011

Tritanopia
81.4228, 77.8635, 88.5796

Trichromacy

Original Color
76.7893, 78.0442, 61.4689

Protanomaly
74.8629, 78.2457, 62.1962

Deuteranomaly
77.5695, 77.9697, 64.9941

Tritanomaly
79.5157, 77.8982, 77.8628

Monochromacy

Original Color
76.7893, 78.0442, 61.4689

Achromatopsia
74.4753, 78.3538, 85.3273

Achromatomaly
75.1237, 78.0732, 76.0759

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.7893, 78.0442, 61.4689 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, 224, 193) looks like.

```
.text, #text, p{
    color:rgb(253, 224, 193)
}
```

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, 224, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 224, 193) }
```

Border

The CSS property to change the border of an element to XYZ 76.7893, 78.0442, 61.4689 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, 224, 193) }
```

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

```
.border{ border-color:rgb(253, 224, 193) }
```

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

Here you see how a box with a 4 pixel rgb(253, 224, 193) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(253, 224, 193); -webkit-box-shadow:4px 4px 4px 4px rgb(253, 224, 193); box-shadow:4px 4px 4px 4px rgb(253, 224, 193) }
```

Background

The CSS property to change the background color of an element to XYZ 76.7893, 78.0442, 61.4689 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(253, 224, 193) }
```

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

```
.background{ background-color:rgb(253,
224, 193) }
```

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