

Converting Colors

XYZ(72.8800, 78.3562, 31.5433)

Have a look what the booklet for
XYZ(72.8800, 78.3562, 31.5433)
contains.

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Color

**XYZ(72.8797, 78.3053,
31.6953)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE480
RGB	255, 228, 128
RGB Percent	100%, 89%, 50%
CMY	0.0000, 0.1059, 0.4980
CMYK	0.00, 0.11, 0.50, 0.00
HSL	47°, 100%, 75%
HSV	47°, 50%, 100%
XYZ	72.8797, 78.3053, 31.6953
YIQ	224.6730, 48.1920, -25.3760

Conversions

Conversions Part 2

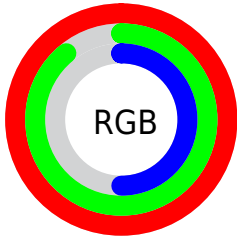
Format	Color
R_{YB}	162, 255, 128
Decimal	16770176
CIE Lab	90.92, -3.22, 51.79
CIE LCh	91, 51.894, 93.553
Yxy	78.3053, 0.3985, 0.4282
Android (android.graphics.Color)	4294960256 (0xFFFFE480)
YUV	224.6730, -47.6598, 26.5968
Hunter-Lab	88.4903, -7.8472, 40.7068

Details

The XYZ color **72.8797, 78.3053, 31.6953** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **38.6731, 35.2507, 99.3733**, and the grayscale version is **71.6420, 75.3730, 82.0812**.

A 20% lighter version of the original color is **85.5472, 96.1989, 58.8592**, and **39.0130, 42.1447, 12.9160** is the 20% darker color. If you saturate the color by 10%, you get **69.9405, 74.7840, 23.4500**, and if you desaturate by 10%, it is **76.2911, 82.0962, 42.1803**.

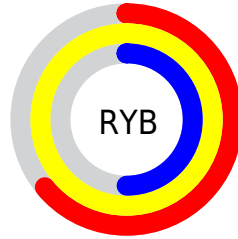
Distribution



Red (100%)

Green (89%)

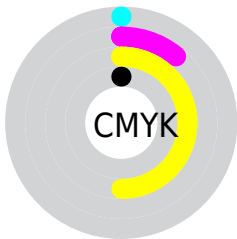
Blue (50%)



Red (64%)

Yellow (100%)

Blue (50%)

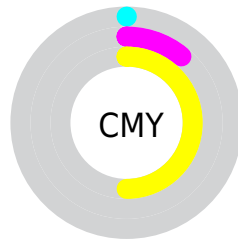


Cyan (0%)

Magenta (11%)

Yellow (50%)

Black (0%)



Cyan (0%)


Magenta (11%)


Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 72.8797, 78.3053, 31.6953 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 72.8797, 78.3053, 31.6953 by changing the saturation by 10% instead.

 72.8797, 78.3053,
31.6953


 72.8797, 78.3053,
31.6953


459.7080,
489.2030, 324.1787


 54.1656, 58.3248,
20.8660


 122.3105,
130.9804, 63.4255

 38.9653, 42.0698,
12.8358


 153.7579,
164.4438, 85.1634

 26.9133, 29.1560,
7.1862


 190.1804,
203.1703, 111.3746

 17.6444, 19.1988,
3.4986

231.9435,
247.5443, 142.4776

 10.7931, 11.8140,
1.3545

279.4124,
297.9502, 178.8910

 5.9942, 6.6172,
0.1059

332.9526,

 2.8822, 3.2239,

354.7723, 221.0333

0.0000

392.9293,
418.3952, 269.3230

■ 1.0918, 1.2497,
0.0000

■ 0.0182, 0.1017,
0.0000

■ 72.8797, 78.3053,
31.6953

■ 72.8797, 78.3053,
31.6953

■ 69.9405, 74.7840,
23.4500

■ 76.2911, 82.0962,
42.1803

■ 67.4354, 71.5074,
17.2698

■ 80.1985, 86.1580,
55.0525

■ 65.3288, 68.4638,
12.9620

■ 84.6304, 90.5057,
70.4522

■ 63.5764, 65.6346,
10.2953

■ 89.6115, 95.1499,
88.5076

■ 62.1075, 62.9908, 95.0499, 100.0000,
8.8995 108.9000

■ 62.0799, 62.9399,
8.8767

Harmonies

Analogous

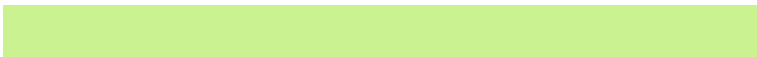
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.1955, 78.3053, 35.6757



72.8797, 78.3053, 31.6953



61.3775, 78.3053, 38.2305

Triad

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



72.8797, 78.3053, 31.6953



55.3786, 78.3053, 131.5722



99.2836, 78.3053, 121.5194

Complementary

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



72.8797, 78.3053, 31.6953



38.6731, 35.2507, 99.3733

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.



89.2058, 78.3053, 160.4479



72.8797, 78.3053, 31.6953



63.7813, 78.3053, 167.3456

Square

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



72.8797, 78.3053, 31.6953



52.0475, 78.3053, 89.8014



75.9957, 78.3053, 179.2118



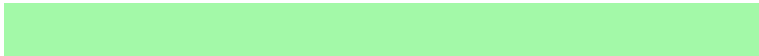
102.4467, 78.3053, 80.8766

Rectangle

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



72.8797, 78.3053, 31.6953



55.9789, 78.3053, 49.2392



75.9957, 78.3053, 179.2118



96.5386, 78.3053, 135.5913

Sweetspot

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



72.8816, 78.3090, 31.6969



86.9529, 92.6988, 78.7850



54.9195, 39.0830, 35.8885



18.3899, 19.6335, 16.0640



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.



72.8816, 78.3090, 31.6969



69.8872, 74.7172, 23.3088



68.8750, 88.1412, 33.8059



19.2143, 20.3967, 19.0686



32.5511, 33.1135, 4.6759



3.2473, 3.3800, 0.4812

Inverse Universe

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



38.6731, 35.2507, 99.3733



32.1266, 27.2391, 98.1722



41.0763, 30.5500, 98.3393



17.3159, 18.0033, 22.8123



10.2124, 5.3344, 49.9260



1.0694, 0.6694, 4.8861

Previews

White Background



This preview shows how the XYZ color 72.8797, 78.3053, 31.6953 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 72.8797, 78.3053, 31.6953 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 72.8797, 78.3053, 31.6953

Background



This preview shows how black text looks on a background with the XYZ color 72.8797, 78.3053, 31.6953.



This preview shows how white text looks on a background with the XYZ color 72.8797, 78.3053,

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

72.8797, 78.3053, 31.6953

Protanopia

72.0605, 78.2926, 31.7361

Deuteranopia

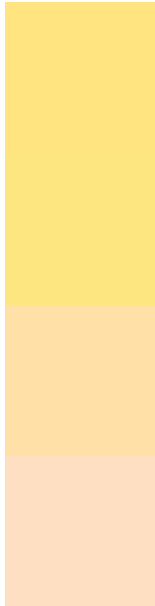
77.0810, 78.2454, 59.1844



Tritanopia

81.3987, 78.2726, 87.1619

Trichromacy



Original Color

72.8797, 78.3053, 31.6953

Protanomaly

72.4236, 78.4798, 31.7531

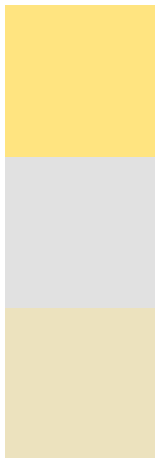
Deuteranomaly

75.1403, 77.9004, 47.6352

Tritanomaly

77.3653, 77.9304, 62.0034

Monochromacy



Original Color

72.8797, 78.3053, 31.6953

Achromatopsia

71.5672, 75.2942, 81.9954

Achromatomaly

71.0827, 75.9433, 59.6273

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.8797, 78.3053, 31.6953 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, 228, 128)` looks like.

```
.text, #text, p{  
    color:rgb(255, 228, 128)  
}
```

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, 228, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 228, 128) }
```

Border

The CSS property to change the border of an element to XYZ 72.8797, 78.3053, 31.6953 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, 228, 128) }
```


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

```
.border{ border-color:rgb(255, 228, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 228, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 228, 128); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 228, 128); box-shadow:4px 4px 4px 4px rgb(255, 228, 128) }
```

Background

The CSS property to change the background color of an element to XYZ 72.8797, 78.3053, 31.6953 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 228, 128) }
```

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

```
.background{ background-color: rgb(255,  
228, 128) }
```

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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