

Converting Colors

XYZ(71.0976, 79.7318, 50.2997)

Have a look what the booklet for
XYZ(71.0976, 79.7318, 50.2997)
contains.

XYZ(71.3200, 80.0191, 50.2143)	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(71.3200, 80.0191,
50.2143)**

Conversions

Conversions Part 1

Format	Color
Hex	EBEBAB
RGB	235, 235, 171
RGB Percent	92%, 92%, 67%
CMY	0.0784, 0.0784, 0.3294
CMYK	0.00, 0.00, 0.27, 0.08
HSL	60°, 62%, 80%
HSV	60°, 27%, 92%
XYZ	71.3200, 80.0191, 50.2143
YIQ	227.7040, 20.5440, -19.9040

Conversions

Conversions Part 2

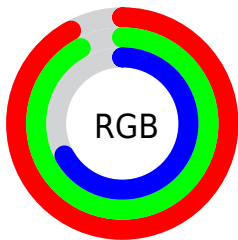
Format	Color
RYB	171, 235, 171
Decimal	15461291
CIELab	91.69, -9.84, 31.16
CIELCh	92, 32.675, 107.530
Yxy	80.0191, 0.3539, 0.3970
Android (android.graphics.Color)	4293651371 (0xFFEBEBAB)
YUV	227.7040, -27.9551, 6.3986
Hunter-Lab	89.4534, -14.2278, 29.3352

Details

The XYZ color **71.3200, 80.0191, 50.2143** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **46.3558, 43.7839, 84.6097**, and the grayscale version is **73.7155, 77.5545, 84.4568**.

A 20% lighter version of the original color is **90.8651, 98.3261, 86.8628**, and **37.7502, 43.0132, 23.4523** is the 20% darker color. If you saturate the color by 10%, you get **69.2764, 79.2044, 39.4473**, and if you desaturate by 10%, it is **73.7660, 81.0003, 63.0822**.

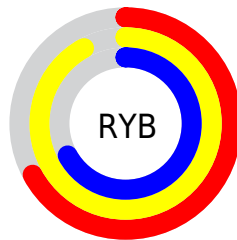
Distribution



Red (92%)

Green (92%)

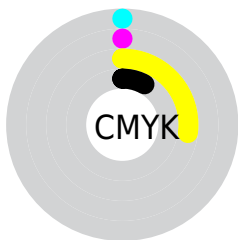
Blue (67%)



Red (67%)

Yellow (92%)

Blue (67%)

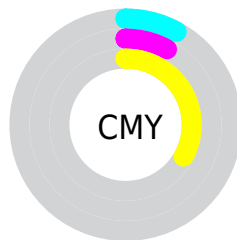


Cyan (0%)

Magenta (0%)

Yellow (27%)

Black (8%)



Cyan (8%)

Magenta (8%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 71.3200, 80.0191, 50.2143 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 71.3200, 80.0191, 50.2143 by changing the saturation by 10% instead.

71.3200, 80.0191,
50.2143

71.3200, 80.0191,
50.2143

454.3657,
494.9972, 404.2624

52.8869, 59.7341,
35.2113

120.1053,
133.3926, 91.8919

37.9396, 43.2043,
23.5409

151.1882,
167.2498, 119.4036

26.1128, 30.0455,
14.7843

187.2183,
206.3999, 151.9219

17.0412, 19.8731,
8.5232

228.5611,
251.2273, 189.8655

10.3593, 12.3028,
4.3390

275.5819,
302.1163, 233.6528

5.7019, 6.9503,
1.8131

328.6460,

2.7036, 3.4310,

359.4514, 283.7023

0.4366

388.1188,
423.6169, 340.4327

■ 0.9990, 1.3607,
0.0000

■ 0.0000, 0.1875,
0.0000

■ 71.3200, 80.0191,
50.2143

■ 71.3200, 80.0191,
50.2143

■ 69.2764, 79.2044,
39.4473

■ 73.7660, 81.0003,
63.0822

■ 67.6080, 78.5369,
30.6649

■ 76.6278, 82.1452,
78.1488

■ 66.2937, 78.0111,
23.7476

■ 79.9257, 83.4644,
95.5120

■ 65.3080, 77.6168,
18.5606

■ 82.0238, 84.3037,
106.5569

■ 64.6220, 77.3423,
14.9513

■ 82.0245, 84.3040,
106.5569

■ 64.2015, 77.1740,
12.7405

■ 82.0251, 84.3044,
106.5569

■ 64.0021, 77.0942,
11.6940

■ 82.0258, 84.3047,
106.5570

■ 63.9663, 77.0798,
11.5065

■ 82.0265, 84.3051,
106.5570

■ 82.0271, 84.3054,
106.5570

Harmonies

Analogous

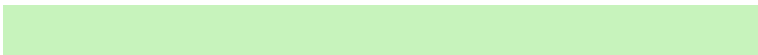
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.5768, 80.0191, 49.4900



71.3200, 80.0191, 50.2143



64.8132, 80.0191, 59.6135

Triad

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



71.3200, 80.0191, 50.2143



65.7185, 80.0191, 125.6510



92.8404, 80.0191, 97.4417

Complementary

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



71.3200, 80.0191, 50.2143



46.3558, 43.7839, 84.6097

Split Complementary

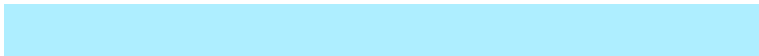
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



88.5286, 80.0191, 122.0216



71.3200, 80.0191, 50.2143



72.6401, 80.0191, 140.1987

Square

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



71.3200, 80.0191, 50.2143



61.7456, 80.0191, 101.7290



80.9966, 80.0191, 138.7605



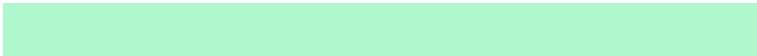
92.4219, 80.0191, 73.9941

Rectangle

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



71.3200, 80.0191, 50.2143



62.1586, 80.0191, 70.7027



80.9966, 80.0191, 138.7605



91.8837, 80.0191, 105.9166

Sweetspot

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



71.3220, 80.0227, 50.2160



91.9370, 98.7547, 92.5106



56.1771, 49.7302, 45.1672



19.5611, 21.0907, 19.1843



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

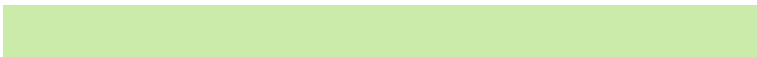
The Same Dimension uses a secret algorithm to generate beautiful new colors.



71.3220, 80.0227, 50.2160



84.3337, 95.7132, 52.4828



61.6906, 75.0575, 49.7652



16.3519, 17.6269, 16.0592



35.5982, 42.8960, 6.4035



2.7954, 3.3684, 0.5028

Inverse Universe

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



46.3558, 43.7839, 84.6097



49.3481, 44.9311, 100.6794



54.1893, 47.8222, 84.9763



14.2314, 14.5490, 18.9804



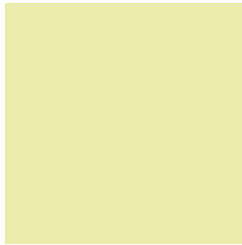
8.3458, 3.3383, 43.9475



0.6554, 0.2622, 3.4509

Previews

White Background



This preview shows how the XYZ color 71.3200, 80.0191, 50.2143 looks on a white background.

Color Contrast Check

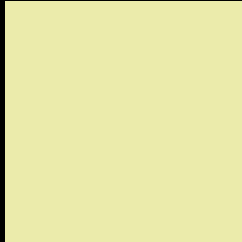
Large Text (above 18pt) WCAG AA × Fail

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 71.3200, 80.0191, 50.2143 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

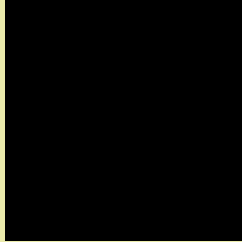
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

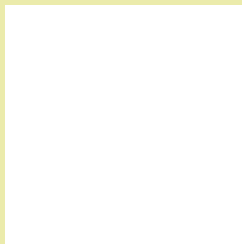
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 71.3200, 80.0191, 50.2143

Background



This preview shows how black text looks on a background with the XYZ color 71.3200, 80.0191, 50.2143.

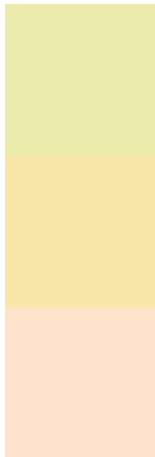


This preview shows how white text looks on a background with the XYZ color 71.3200, 80.0191,

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

71.3200, 80.0191, 50.2143

Protanopia

74.4487, 79.9729, 49.0486

Deuteranopia

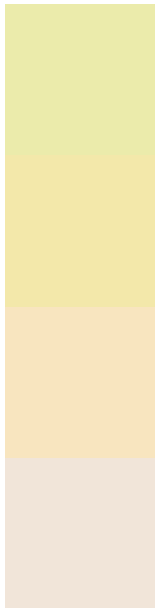
79.0970, 79.9170, 67.1338



Tritanopia

80.6822, 80.0969, 96.0019

Trichromacy



Original Color

71.3200, 80.0191, 50.2143

Protanomaly

73.0745, 79.6702, 49.5567

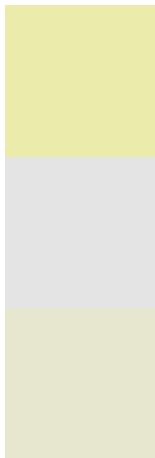
Deuteranomaly

76.1347, 79.7567, 60.6721

Tritanomaly

76.8193, 79.7491, 76.9900

Monochromacy



Original Color

71.3200, 80.0191, 50.2143

Achromatopsia

73.7419, 77.5822, 84.4870

Achromatomaly

72.7934, 78.6457, 70.3750

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.3200, 80.0191, 50.2143 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(235, 235, 171)` looks like.

```
.text, #text, p{  
    color:rgb(235, 235, 171)  
}
```

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(235, 235, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 235, 171) }
```

Border

The CSS property to change the border of an element to XYZ 71.3200, 80.0191, 50.2143 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(235, 235, 171) }
```


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

```
.border{ border-color:rgb(235, 235, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 235, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(235, 235, 171); -webkit-box-shadow:4px 4px 4px 4px rgb(235, 235, 171); box-shadow:4px 4px 4px 4px rgb(235, 235, 171) }
```

Background

The CSS property to change the background color of an element to XYZ 71.3200, 80.0191, 50.2143 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 235, 171) }
```

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

```
.background{ background-color: rgb(235,  
235, 171) }
```

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