

Converting Colors

XYZ(70.0791, 79.9160, 58.5340)

Have a look what the booklet for
XYZ(70.0791, 79.9160, 58.5340)
contains.

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Color

**XYZ(70.3052, 80.1638,
58.7814)**

Conversions

Conversions Part 1

Format	Color
Hex	E1EDBB
RGB	225, 237, 187
RGB Percent	88%, 93%, 73%
CMY	0.1176, 0.0706, 0.2667
CMYK	0.05, 0.00, 0.21, 0.07
HSL	74°, 58%, 83%
HSV	74°, 21%, 93%
XYZ	70.3052, 80.1638, 58.7814
YIQ	227.7120, 8.8980, -18.0940

Conversions

Conversions Part 2

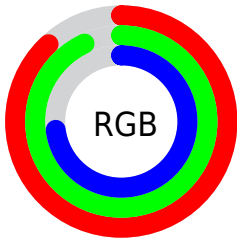
Format	Color
R _{YB}	187, 237, 199
Decimal	14806459
CIE Lab	91.76, -12.29, 22.94
CIE LCh	92, 26.023, 118.174
Yxy	80.1638, 0.3360, 0.3831
Android (android.graphics.Color)	4292996539 (0xFFE1EDBB)
YUV	227.7120, -20.0710, -2.3784
Hunter-Lab	89.5342, -16.5209, 23.7486

Details

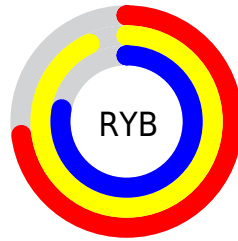
The XYZ color **70.3052, 80.1638, 58.7814** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **56.6127, 53.7994, 87.5257**, and the grayscale version is **73.6716, 77.5083, 84.4065**.

A 20% lighter version of the original color is **93.1777, 99.2511, 99.0404**, and **37.1891, 43.2040, 28.9334** is the 20% darker color. If you saturate the color by 10%, you get **66.2308, 78.3352, 46.4216**, and if you desaturate by 10%, it is **74.8618, 82.1975, 73.3528**.

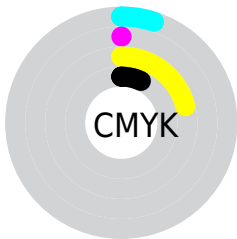
Distribution



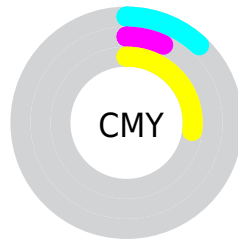
- Red (88%)
- Green (93%)
- Blue (73%)



- Red (73%)
- Yellow (93%)
- Blue (78%)



- Cyan (5%)
- Magenta (0%)
- Yellow (21%)
- Black (7%)



- Cyan (12%)
- Magenta (7%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.3052, 80.1638, 58.7814 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 70.3052, 80.1638, 58.7814 by changing the saturation by 10% instead.

70.3052, 80.1638,
58.7814

70.3052, 80.1638,
58.7814

450.8706,
495.4847, 437.7706

52.0559, 59.8532,
42.0183

118.6678,
133.5960, 104.5859

37.2741, 43.3003,
28.7900

149.5118,
167.4863, 134.4644

25.5944, 30.1208,
18.6778

185.2847,
206.6720, 169.5517

16.6515, 19.9303,
11.2632

226.3519,
251.5375, 210.2665

10.0801, 12.3444,
6.1278

273.0787,
302.4671, 257.0272

5.5148, 6.9787,
2.8529

325.8305,

2.5902, 3.4488,

359.8452, 310.2525

1.0200

384.9727,
424.0563, 370.3608

■ 0.9410, 1.3703,
0.0000

■ 0.0000, 0.1947,
0.0000

■ 70.3052, 80.1638,
58.7814

■ 70.3052, 80.1638,
58.7814

■ 66.2308, 78.3352,
46.4216

■ 74.8618, 82.1975,
73.3528

■ 62.6111, 76.6925,
36.1601

■ 79.9138, 84.4336,
90.2314

■ 59.4254, 75.2302,
27.8814

■ 84.9782, 86.6815,
106.8601

■ 56.6486, 73.9380,
21.4568

■ 86.9626, 87.7045,
106.9530

■ 54.2530, 72.8049,
16.7424

■ 89.0083, 88.7591,
107.0487

■ 52.2064, 71.8179,
13.5730

■ 89.5759, 89.0517,
107.0753

■ 50.4708, 70.9617,
11.7511

■ 49.1327, 70.2876,
10.9773

Harmonies

Analogous

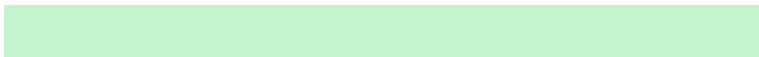
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.6020, 80.1638, 55.5192



70.3052, 80.1638, 58.7814



65.8220, 80.1638, 69.3373

Triad

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



70.3052, 80.1638, 58.7814



69.6376, 80.1638, 122.3029



89.7233, 80.1638, 88.4584

Complementary

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



70.3052, 80.1638, 58.7814



56.6127, 53.7994, 87.5257

Split Complementary

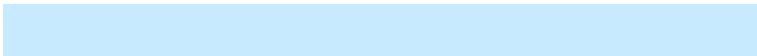
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.6005, 80.1638, 108.0893



70.3052, 80.1638, 58.7814



75.7860, 80.1638, 129.3141

Square

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



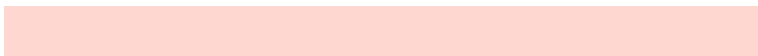
70.3052, 80.1638, 58.7814



65.4526, 80.1638, 105.7723



82.4013, 80.1638, 123.7718



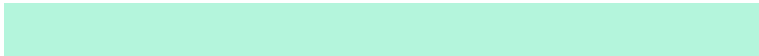
88.0490, 80.1638, 71.0876

Rectangle

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



70.3052, 80.1638, 58.7814



64.3335, 80.1638, 79.9822



82.4013, 80.1638, 123.7718



89.4278, 80.1638, 95.0188

Sweetspot

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



70.3073, 80.1673, 58.7831



91.3451, 98.3634, 96.3762



64.2443, 62.2884, 55.6517



19.4681, 21.0169, 20.3498



0.0000, 0.0000, 0.0000



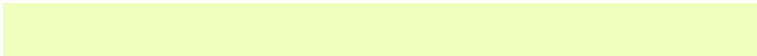
20.3446, 21.4041, 23.3091

Same Dimension

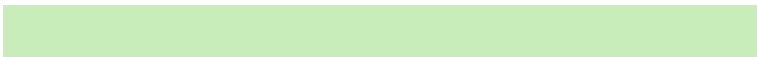
The Same Dimension uses a secret algorithm to generate beautiful new colors.



70.3073, 80.1673, 58.7831



81.0232, 93.7645, 63.2626



63.1651, 76.4854, 58.4489



15.9780, 17.4342, 16.0417



26.9465, 38.4359, 5.9986



2.2006, 3.0618, 0.4750

Inverse Universe

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



56.6127, 53.7994, 87.5257



62.3434, 57.7922, 102.4769



63.6964, 57.4511, 87.8572



14.5698, 14.7235, 18.9963



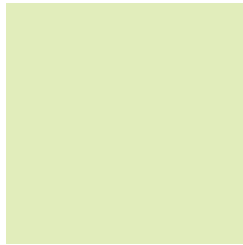
9.3616, 3.8620, 43.9950



0.8192, 0.3466, 3.4586

Previews

White Background



This preview shows how the XYZ color 70.3052, 80.1638, 58.7814 looks on a white background.

Color Contrast Check

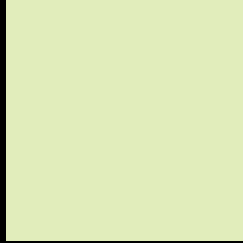
Large Text (above 18pt) WCAG AA × Fail

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 70.3052, 80.1638, 58.7814 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

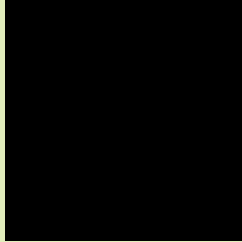
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

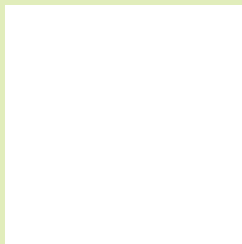
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.3052, 80.1638, 58.7814

Background



This preview shows how black text looks on a background with the XYZ color 70.3052, 80.1638, 58.7814.

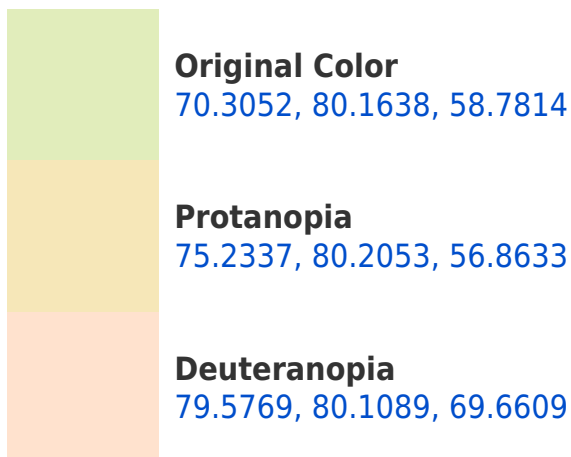


This preview shows how white text looks on a background with the XYZ color 70.3052, 80.1638,

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

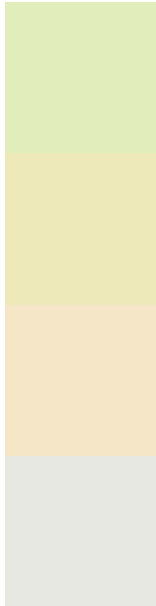




Tritanopia

78.4121, 80.0777, 99.3195

Trichromacy



Original Color

70.3052, 80.1638, 58.7814

Protanomaly

73.1558, 79.9578, 57.4766

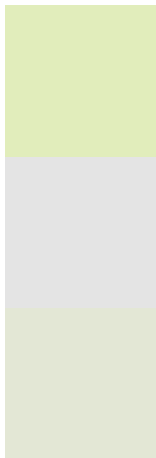
Deuteranomaly

75.9138, 79.9502, 65.4637

Tritanomaly

75.0803, 79.9725, 82.7132

Monochromacy



Original Color

70.3052, 80.1638, 58.7814

Achromatopsia

73.7419, 77.5822, 84.4870

Achromatomaly

72.2647, 78.2868, 74.2529

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.3052, 80.1638, 58.7814 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(225, 237, 187)` looks like.

```
.text, #text, p{  
    color:rgb(225, 237, 187)  
}
```

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(225, 237, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 237, 187) }
```

Border

The CSS property to change the border of an element to XYZ 70.3052, 80.1638, 58.7814 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(225, 237, 187) }
```


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

```
.border{ border-color:rgb(225, 237, 187) }
```

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

Here you see how a box with a 4 pixel rgb(225, 237, 187) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 237, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 237, 187);  
box-shadow:4px 4px 4px 4px rgb(225, 237,  
187) }
```

Background

The CSS property to change the background color of an element to XYZ 70.3052, 80.1638, 58.7814 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 237, 187) }
```

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

```
.background{ background-color: rgb(225,  
237, 187) }
```

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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