

Converting Colors

XYZ(71.8591, 81.4533, 62.3191)

Have a look what the booklet for
XYZ(71.8591, 81.4533, 62.3191)
contains.

XYZ(71.8787, 81.3302, 62.3620)	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(71.8787, 81.3302,
62.3620)**

Conversions

Conversions Part 1

Format	Color
Hex	E3EEC1
RGB	227, 238, 193
RGB Percent	89%, 93%, 76%
CMY	0.1098, 0.0666, 0.2431
CMYK	0.05, 0.00, 0.19, 0.07
HSL	75°, 57%, 85%
HSV	75°, 19%, 93%
XYZ	71.8787, 81.3302, 62.3620
YIQ	229.5810, 7.8890, -16.3270

Conversions

Conversions Part 2

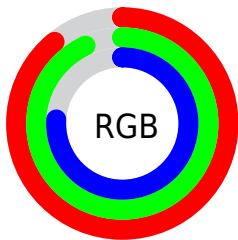
Format	Color
R_{YB}	193, 238, 204
Decimal	14937793
CIE _{Lab}	92.28, -11.18, 20.59
CIE _{LCh}	92, 23.433, 118.496
Yxy	81.3302, 0.3334, 0.3773
Android (android.graphics.Color)	4293127873 (0xFFE3EEC1)
YUV	229.5810, -18.0344, -2.2635
Hunter-Lab	90.1833, -15.5510, 22.1291

Details

The XYZ color **71.8787, 81.3302, 62.3620** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **59.4077, 57.1526, 88.7938**, and the grayscale version is **75.0309, 78.9383, 85.9639**.

A 20% lighter version of the original color is **94.2553, 99.6821, 104.7153**, and **38.1827, 43.9779, 30.9022** is the 20% darker color. If you saturate the color by 10%, you get **67.6304, 79.4251, 49.4014**, and if you desaturate by 10%, it is **76.6207, 83.4454, 77.5794**.

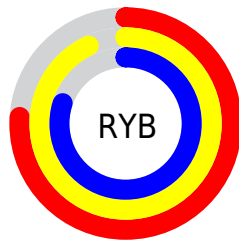
Distribution



Red (89%)

Green (93%)

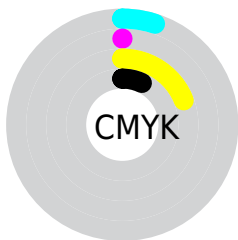
Blue (76%)



Red (76%)

Yellow (93%)

Blue (80%)

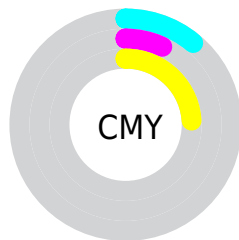


Cyan (5%)

Magenta (0%)

Yellow (19%)

Black (7%)



Cyan (11%)

Magenta (7%)

Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 71.8787, 81.3302, 62.3620 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 71.8787, 81.3302, 62.3620 by changing the saturation by 10% instead.

71.8787, 81.3302,
62.3620

71.8787, 81.3302,
62.3620

456.2835,
499.4045, 451.2944

53.3447, 60.8136,
44.8876

120.8958,
135.2343, 109.8252

38.3066, 44.0747,
31.0266

152.1096,
169.3906, 140.6511

26.3990, 30.7293,
20.3605

188.2807,
208.8622, 176.7646

17.2566, 20.3928,
12.4707

229.7745,
254.0336, 218.5841

10.5141, 12.6809,
6.9387

276.9563,
305.2891, 266.5284

5.8060, 7.2092,
3.3459

330.1915,

2.7670, 3.5933,

363.0132, 321.0158

1.2739

389.8455,
427.5902, 382.4649

■ 1.0318, 1.4487,
0.0402

■ 0.0000, 0.2522,
0.0000

■ 71.8787, 81.3302,
62.3620

■ 71.8787, 81.3302,
62.3620

■ 67.6304, 79.4251,
49.4014

■ 76.6207, 83.4454,
77.5794

■ 63.8483, 77.7108,
38.5850

■ 81.8697, 85.7679,
95.1485

■ 60.5120, 76.1819,
29.7980

■ 86.0946, 87.6881,
106.9956

■ 57.5966, 74.8283,
22.9134

■ 88.1514, 88.7484,
107.0918

■ 55.0746, 73.6390,
17.7894

■ 89.8662, 89.6324,
107.1721

■ 52.9147, 72.6013,
14.2647

■ 51.0800, 71.7005,
12.1481

■ 49.5154, 70.9143,
11.1527

■ 49.3531, 70.8323,
11.0708

Harmonies

Analogous

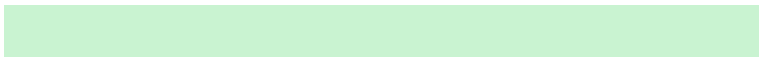
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.6079, 81.3302, 59.2273



71.8787, 81.3302, 62.3620



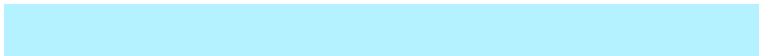
67.7933, 81.3302, 72.2471

Triad

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



71.8787, 81.3302, 62.3620



71.3756, 81.3302, 120.1378



89.5357, 81.3302, 89.4328

Complementary

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



71.8787, 81.3302, 62.3620



59.4077, 57.1526, 88.7938

Split Complementary

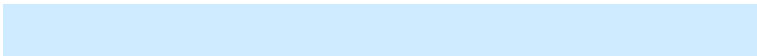
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.6605, 81.3302, 107.1484



71.8787, 81.3302, 62.3620



76.9967, 81.3302, 126.2480

Square

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



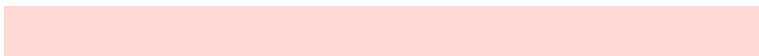
71.8787, 81.3302, 62.3620



67.5137, 81.3302, 105.4363



82.9913, 81.3302, 121.2135



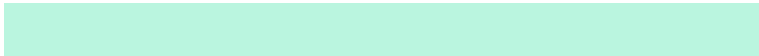
87.9932, 81.3302, 73.5788

Rectangle

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



71.8787, 81.3302, 62.3620



66.4442, 81.3302, 82.0693



82.9913, 81.3302, 121.2135



89.2823, 81.3302, 95.3732

Sweetspot

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



71.8808, 81.3338, 62.3637



91.3205, 98.3507, 96.3751



66.3626, 64.9783, 59.4977



19.4623, 21.0139, 20.3495



0.0000, 0.0000, 0.0000



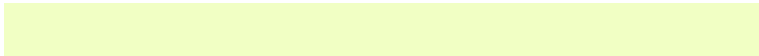
20.3446, 21.4041, 23.3091

Same Dimension

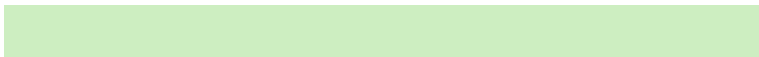
The Same Dimension uses a secret algorithm to generate beautiful new colors.



71.8808, 81.3338, 62.3637



81.9227, 94.1621, 66.2910



65.3798, 77.9823, 62.0595



16.7233, 18.2530, 16.7915



27.6554, 39.5785, 6.1818



2.3895, 3.3384, 0.5184

Inverse Universe

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



59.4077, 57.1526, 88.7938



64.6448, 60.6614, 102.9094



65.8694, 60.4837, 89.0962



15.2593, 15.4154, 19.8928



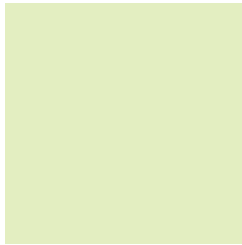
9.6875, 3.9995, 45.3893



0.8930, 0.3776, 3.7800

Previews

White Background



This preview shows how the XYZ color 71.8787, 81.3302, 62.3620 looks on a white background.

Color Contrast Check

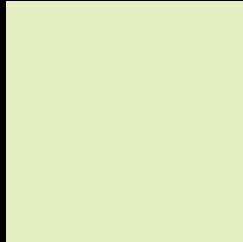
Large Text (above 18pt) WCAG AA × Fail

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 71.8787, 81.3302, 62.3620 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

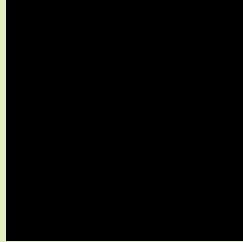
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

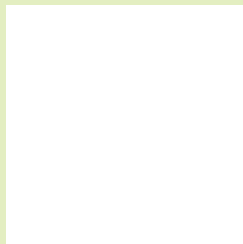
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 71.8787, 81.3302, 62.3620

Background



This preview shows how black text looks on a background with the XYZ color 71.8787, 81.3302, 62.3620.

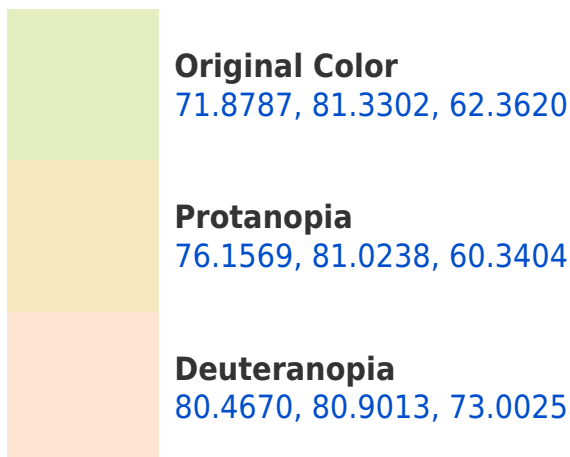


This preview shows how white text looks on a background with the XYZ color 71.8787, 81.3302,

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

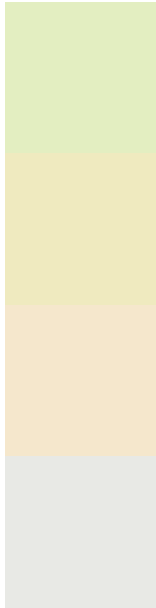




Tritanopia

79.6566, 81.0953, 101.0771

Trichromacy



Original Color

71.8787, 81.3302, 62.3620

Protanomaly

74.4234, 80.9579, 60.9941

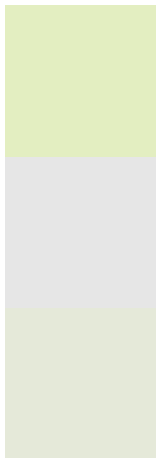
Deuteranomaly

77.1312, 80.9239, 68.6814

Tritanomaly

76.5605, 81.0908, 85.7457

Monochromacy



Original Color

71.8787, 81.3302, 62.3620

Achromatopsia

75.2129, 79.1298, 86.1723

Achromatomaly

73.9764, 79.9456, 77.1777

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.8787, 81.3302, 62.3620 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(227, 238, 193)` looks like.

```
.text, #text, p{  
    color:rgb(227, 238, 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(227, 238, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 238, 193) }
```

Border

The CSS property to change the border of an element to XYZ 71.8787, 81.3302, 62.3620 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(227, 238, 193) }
```


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

```
.border{ border-color:rgb(227, 238, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 238, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 238, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 238, 193);  
box-shadow:4px 4px 4px 4px rgb(227, 238,  
193) }
```

Background

The CSS property to change the background color of an element to XYZ 71.8787, 81.3302, 62.3620 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 238, 193) }
```

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

```
.background{ background-color: rgb(227,  
238, 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](#).

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