

Converting Colors

XYZ(71.5380, 77.2681, 58.4983)

Have a look what the booklet for
XYZ(71.5380, 77.2681, 58.4983)
contains.

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Color

**XYZ(71.6885, 77.5023,
58.7580)**

Conversions

Conversions Part 1

Format	Color
Hex	ECE5BC
RGB	236, 229, 188
RGB Percent	93%, 90%, 74%
CMY	0.0745, 0.1019, 0.2627
CMYK	0.00, 0.03, 0.20, 0.07
HSL	51°, 56%, 83%
HSV	51°, 20%, 93%
XYZ	71.6885, 77.5023, 58.7580
YIQ	226.4190, 17.3330, -11.2670

Conversions

Conversions Part 2

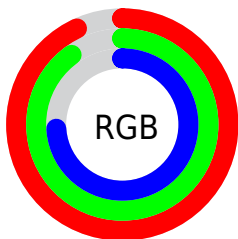
Format	Color
R _Y B	196, 236, 188
Decimal	15525308
CIE Lab	90.55, -4.14, 20.88
CIE LCh	91, 21.289, 101.219
Yxy	77.5023, 0.3447, 0.3727
Android (android.graphics.Color)	4293715388 (0xFFECE5BC)
YUV	226.4190, -18.9406, 8.4025
Hunter-Lab	88.0354, -8.7068, 22.0525

Details

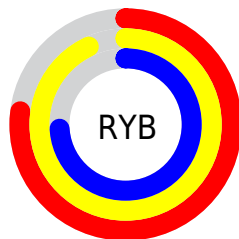
The XYZ color **71.6885, 77.5023, 58.7580** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **55.3943, 55.7766, 87.2038**, and the grayscale version is **72.7178, 76.5048, 83.3138**.

A 20% lighter version of the original color is **93.3291, 99.3117, 99.8380**, and **38.3316, 41.7247, 28.9550** is the 20% darker color. If you saturate the color by 10%, you get **68.4081, 74.6851, 46.1227**, and if you desaturate by 10%, it is **75.4079, 80.5305, 73.5940**.

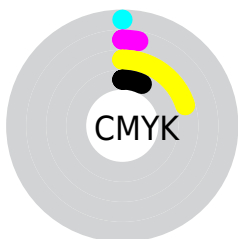
Distribution



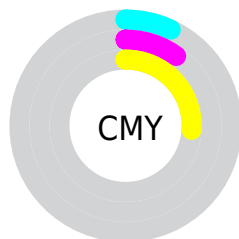
- Red (93%)
- Green (90%)
- Blue (74%)



- Red (77%)
- Yellow (93%)
- Blue (74%)



- Cyan (0%)
- Magenta (3%)
- Yellow (20%)
- Black (7%)



- Cyan (7%)
- Magenta (10%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 71.6885, 77.5023, 58.7580 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 71.6885, 77.5023, 58.7580 by changing the saturation by 10% instead.

■ 71.6885, 77.5023,
58.7580

■ 71.6885, 77.5023,
58.7580

455.6311,
486.4749, 437.6814

■ 53.1888, 57.6652,
41.9996

■ 120.6268,
129.8483, 104.5515

■ 38.1816, 41.5396,
28.7754

151.7960,
163.1260, 134.4237

■ 26.3015, 28.7409,
18.6669

187.9192,
201.6527, 169.5043

■ 17.1832, 18.8849,
11.2555

229.3617,
245.8128, 210.2118

■ 10.4613, 11.5872,
6.1226

276.4887,
295.9906, 256.9647

■ 5.7705, 6.4632,
2.8498

329.6657,

■ 2.7454, 3.1287,

352.5707, 310.1815

1.0185

389.2581,
415.9373, 370.2809

■ 1.0206, 1.1993,
0.0000

■ 0.0000, 0.0611,
0.0000

■ 71.6885, 77.5023,
58.7580

■ 71.6885, 77.5023,
58.7580

■ 68.4081, 74.6851,
46.1227

■ 75.4079, 80.5305,
73.5940

■ 65.5404, 72.0604,
35.5767

■ 79.5791, 83.7672,
90.7248

■ 63.0653, 69.6225,
27.0065

■ 83.6036, 86.9756,
106.9893

■ 60.9587, 67.3617,
20.2854

■ 84.6220, 89.0123,
107.3288

■ 59.1938, 65.2670,
15.2726

■ 85.6596, 91.0875,
107.6747

■ 57.7397, 63.3260,
11.8064

■ 86.7166, 93.2015,
108.0270

■ 56.5598, 61.5237,
9.6945

■ 87.7930, 95.3544,
108.3858

■ 55.6210, 59.8904,
8.6285

■ 88.4023, 96.5730,
108.5889

Harmonies

Analogous

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



77.0109, 77.5023, 59.5481



71.6885, 77.5023, 58.7580



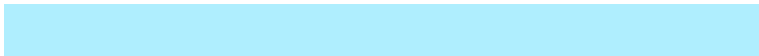
67.1178, 77.5023, 64.1878

Triad

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



71.6885, 77.5023, 58.7580



66.2241, 77.5023, 105.2315



83.7935, 77.5023, 94.1882

Complementary

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



71.6885, 77.5023, 58.7580



55.3943, 55.7766, 87.2038

Split Complementary

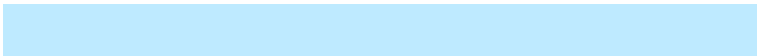
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.6217, 77.5023, 108.4327



71.6885, 77.5023, 58.7580



70.4148, 77.5023, 115.3199

Square

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



71.6885, 77.5023, 58.7580



64.0659, 77.5023, 90.2244



75.6747, 77.5023, 116.5573



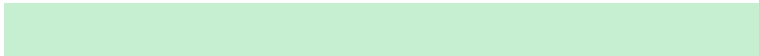
84.1750, 77.5023, 78.8067

Rectangle

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



71.6885, 77.5023, 58.7580



65.0454, 77.5023, 71.0360



75.6747, 77.5023, 116.5573



83.0113, 77.5023, 99.3137

Sweetspot

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



71.6905, 77.5058, 58.7596



91.9764, 97.6391, 96.2032



62.4491, 57.7495, 59.6048



19.6177, 20.8450, 20.3088



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.



71.6905, 77.5058, 58.7596



83.9356, 91.1071, 64.0828



68.3469, 78.7135, 59.1690



16.1540, 17.2310, 15.9932



30.7335, 33.1613, 4.7809



2.4644, 2.7061, 0.3924

Inverse Universe

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



55.3943, 55.7766, 87.2038



61.5364, 61.2420, 103.1853



58.2462, 54.9743, 86.8986



14.4083, 14.9031, 19.0394



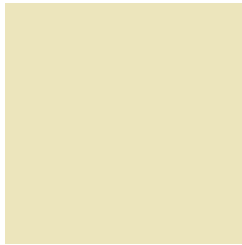
8.7236, 4.0942, 44.0734



0.7400, 0.4315, 3.4792

Previews

White Background



This preview shows how the XYZ color 71.6885, 77.5023, 58.7580 looks on a white background.

Color Contrast Check

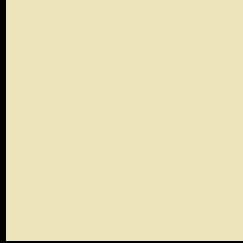
Large Text (above 18pt) WCAG AA × Fail

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 71.6885, 77.5023, 58.7580 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

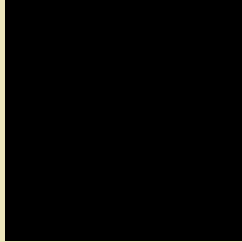
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

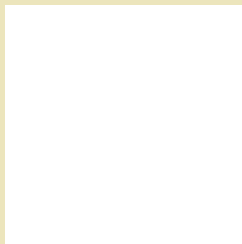
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 71.6885, 77.5023, 58.7580

Background



This preview shows how black text looks on a background with the XYZ color 71.6885, 77.5023, 58.7580.



This preview shows how white text looks on a background with the XYZ color 71.6885, 77.5023,

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

71.6885, 77.5023, 58.7580

Protanopia

72.7144, 77.2268, 58.0875

Deuteranopia

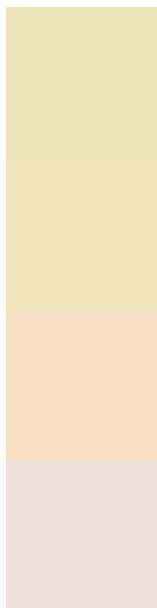
77.5218, 77.1430, 65.4478



Tritanopia

78.6634, 77.5292, 92.4800

Trichromacy



Original Color

71.6885, 77.5023, 58.7580

Protanomaly

72.3096, 77.4254, 58.1472

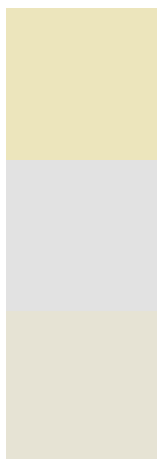
Deuteranomaly

75.3309, 77.2533, 63.1656

Tritanomaly

75.7787, 77.5430, 78.6835

Monochromacy



Original Color

71.6885, 77.5023, 58.7580

Achromatopsia

72.2879, 76.0525, 82.8211

Achromatomaly

71.9859, 76.5146, 73.2621

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.6885, 77.5023, 58.7580 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(236, 229, 188)` looks like.

```
.text, #text, p{  
    color:rgb(236, 229, 188)  
}
```

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(236, 229, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 229, 188) }
```

Border

The CSS property to change the border of an element to XYZ 71.6885, 77.5023, 58.7580 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(236, 229, 188) }
```


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

```
.border{ border-color:rgb(236, 229, 188) }
```

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

Here you see how a box with a 4 pixel rgb(236, 229, 188) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 229, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 229, 188);  
box-shadow:4px 4px 4px 4px rgb(236, 229,  
188) }
```

Background

The CSS property to change the background color of an element to XYZ 71.6885, 77.5023, 58.7580 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 229, 188) }
```

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

```
.background{ background-color: rgb(236,  
229, 188) }
```

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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