

Converting Colors

XYZ(68.6007, 72.4637, 40.5916)

Have a look what the booklet for
XYZ(68.6007, 72.4637, 40.5916)
contains.

XYZ(68.3895, 72.1960, 40.4677)	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(68.3895, 72.1960,
40.4677)**

Conversions

Conversions Part 1

Format	Color
Hex	F4DB99
RGB	244, 219, 153
RGB Percent	96%, 86%, 60%
CMY	0.0431, 0.1412, 0.4000
CMYK	0.00, 0.10, 0.37, 0.04
HSL	44°, 81%, 78%
HSV	44°, 37%, 96%
XYZ	68.3895, 72.1960, 40.4677
YIQ	218.9510, 36.0860, -15.2260

Conversions

Conversions Part 2

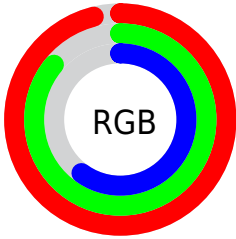
Format	Color
R_{YB}	187, 244, 153
Decimal	16047001
CIE Lab	88.06, -0.50, 35.62
CIE LCh	88, 35.626, 90.809
Yxy	72.1960, 0.3777, 0.3988
Android (android.graphics.Color)	4294237081 (0xFFFF4DB99)
YUV	218.9510, -32.5138, 21.9680
Hunter-Lab	84.9682, -5.0228, 31.2398

Details

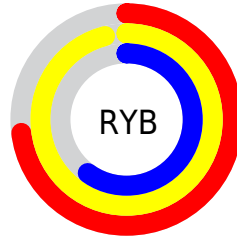
The XYZ color **68.3895, 72.1960, 40.4677** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **45.3860, 45.1434, 91.9094**, and the grayscale version is **67.5004, 71.0156, 77.3360**.

A 20% lighter version of the original color is **88.3852, 97.3341, 73.8035**, and **35.8741, 37.9296, 17.7423** is the 20% darker color. If you saturate the color by 10%, you get **64.8639, 68.0468, 30.3462**, and if you desaturate by 10%, it is **72.4012, 76.6575, 52.7859**.

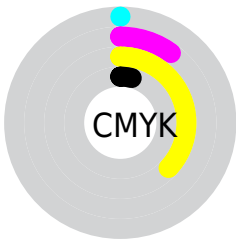
Distribution



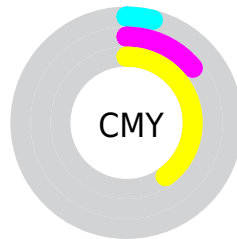
- Red (96%)
- Green (86%)
- Blue (60%)



- Red (73%)
- Yellow (96%)
- Blue (60%)



- Cyan (0%)
- Magenta (10%)
- Yellow (37%)
- Black (4%)



- Cyan (4%)
- Magenta (14%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.3895, 72.1960, 40.4677 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 68.3895, 72.1960, 40.4677 by changing the saturation by 10% instead.

68.3895, 72.1960,
40.4677

68.3895, 72.1960,
40.4677

444.2299,
468.2235, 363.7015

50.4895, 53.3188,
27.5868

115.9480,
122.3351, 77.1200

36.0219, 38.0573,
17.7781

146.3373,
154.3659, 101.7286

24.6213, 26.0272,
10.6230

181.6203,
191.5499, 131.0835

15.9224, 16.8440,
5.7030

222.1625,
234.2717, 165.6032

9.5597, 10.1233,
2.5995

268.3292,
282.9155, 205.7063

5.1680, 5.4808,
0.8922

320.4858,

2.3820, 2.5320,

337.8658, 251.8114

0.0000

378.9976,
399.5070, 304.3369

■ 0.8361, 0.8926,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 68.3895, 72.1960,
40.4677

■ 68.3895, 72.1960,
40.4677

■ 64.8639, 68.0468,
30.3462

■ 72.4012, 76.6575,
52.7859

■ 61.7929, 64.1882,
22.2833

■ 76.9176, 81.4322,
67.4184

■ 59.1495, 60.6106,
16.1326

■ 81.9626, 86.5336,
84.4798

■ 56.9009, 57.2995,
11.7261

■ 87.5572, 91.9711,
104.0758

■ 55.0087, 54.2383,
8.8662

■ 90.3306, 96.3979,
108.4535

■ 53.4235, 51.4058,
7.2962

■ 91.1182, 97.9731,
108.7160

■ 53.0268, 50.6703,
6.9855

Harmonies

Analogous

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



76.9076, 72.1960, 44.4060



68.3895, 72.1960, 40.4677



60.5817, 72.1960, 44.8594

Triad

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



68.3895, 72.1960, 40.4677



55.5130, 72.1960, 105.1151



83.9070, 72.1960, 103.7311

Complementary

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



68.3895, 72.1960, 40.4677



45.3860, 45.1434, 91.9094

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.



77.3400, 72.1960, 126.0772



68.3895, 72.1960, 40.4677



60.9505, 72.1960, 126.9854

Square

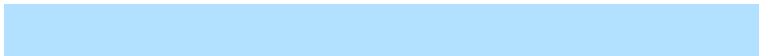
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



68.3895, 72.1960, 40.4677



53.5351, 72.1960, 79.2723



68.8513, 72.1960, 135.3436



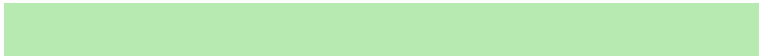
86.3021, 72.1960, 77.9498

Rectangle

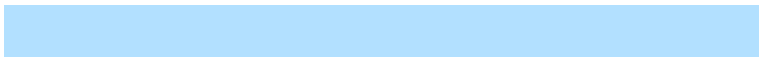
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



68.3895, 72.1960, 40.4677



56.7117, 72.1960, 52.5763



68.8513, 72.1960, 135.3436



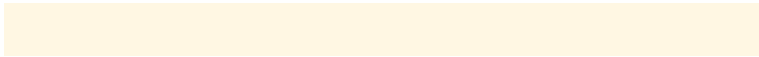
82.0888, 72.1960, 112.0678

Sweetspot

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



68.3913, 72.1993, 40.4692



88.4495, 93.5058, 86.0235



56.8148, 45.2622, 48.2759



18.7686, 19.8494, 17.8594



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.



68.3913, 72.1993, 40.4692



72.5088, 76.1943, 35.7930



68.9291, 82.8940, 42.5051



17.5074, 18.4988, 17.4455



28.9531, 27.7918, 3.8384



2.6302, 2.6137, 0.3659

Inverse Universe

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



45.3860, 45.1434, 91.9094



43.6157, 42.2339, 100.4609



44.8921, 38.1670, 90.5889



15.9516, 16.6674, 20.9190



10.0683, 5.9305, 47.1521



0.9673, 0.6860, 4.1717

Previews

White Background



This preview shows how the XYZ color 68.3895, 72.1960, 40.4677 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 68.3895, 72.1960, 40.4677 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 68.3895, 72.1960, 40.4677

Background



This preview shows how black text looks on a background with the XYZ color 68.3895, 72.1960, 40.4677.



This preview shows how white text looks on a background with the XYZ color 68.3895, 72.1960,

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

68.3895, 72.1960, 40.4677

Protanopia

67.2858, 72.3967, 40.9995

Deuteranopia

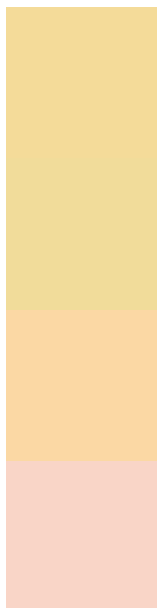
72.6373, 72.2934, 48.6537



Tritanopia

76.9189, 72.2796, 81.8488

Trichromacy



Original Color

68.3895, 72.1960, 40.4677

Protanomaly

67.7016, 72.2203, 40.9435

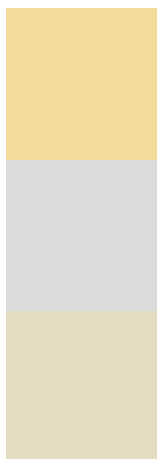
Deuteranomaly

71.0404, 72.3013, 45.3333

Tritanomaly

73.1700, 71.8518, 64.0451

Monochromacy



Original Color

68.3895, 72.1960, 40.4677

Achromatopsia

67.3311, 70.8376, 77.1421

Achromatomaly

67.1768, 71.0971, 61.8123

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.3895, 72.1960, 40.4677 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(244, 219, 153)` looks like.

```
.text, #text, p{  
    color:rgb(244, 219, 153)  
}
```

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(244, 219, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 219, 153) }
```

Border

The CSS property to change the border of an element to XYZ 68.3895, 72.1960, 40.4677 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(244, 219, 153) }
```


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

```
.border{ border-color:rgb(244, 219, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 219, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 219, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 219, 153);  
box-shadow:4px 4px 4px 4px rgb(244, 219,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 68.3895, 72.1960, 40.4677 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 219, 153) }
```

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

```
.background{ background-color: rgb(244,  
219, 153) }
```

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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