

Converting Colors

XYZ(56.2281, 72.1670, 46.9987)

Have a look what the booklet for
XYZ(56.2281, 72.1670, 46.9987)
contains.

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Color

**XYZ(56.3584, 72.3602,
47.0729)**

Conversions

Conversions Part 1

Format	Color
Hex	B8EBA6
RGB	184, 235, 166
RGB Percent	72%, 92%, 65%
CMY	0.2784, 0.0784, 0.3490
CMYK	0.22, 0.00, 0.29, 0.08
HSL	104°, 63%, 79%
HSV	104°, 29%, 92%
XYZ	56.3584, 72.3602, 47.0729
YIQ	211.8850, -8.2470, -32.2710

Conversions

Conversions Part 2

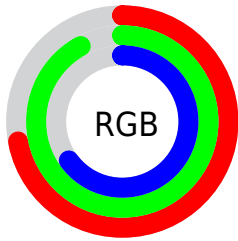
Format	Color
RYB	166, 235, 217
Decimal	12118950
CIELab	88.14, -28.83, 28.33
CIELCh	88, 40.415, 135.503
Yxy	72.3602, 0.3206, 0.4116
Android (android.graphics.Color)	4290309030 (0xFFB8EBA6)
YUV	211.8850, -22.6213, -24.4551
Hunter-Lab	85.0648, -30.6009, 26.7356

Details

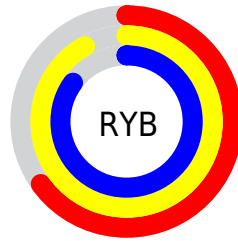
The XYZ color **56.3584, 72.3602, 47.0729** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **57.2501, 48.0245, 84.8534**, and the grayscale version is **62.6540, 65.9168, 71.7834**.

A 20% lighter version of the original color is **85.0868, 95.4412, 82.3441**, and **28.3633, 38.2009, 21.7982** is the 20% darker color. If you saturate the color by 10%, you get **50.4883, 69.5630, 36.5551**, and if you desaturate by 10%, it is **63.1372, 75.5847, 59.6924**.

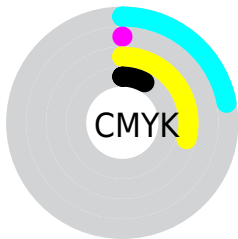
Distribution



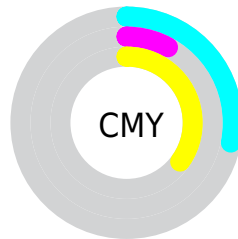
- Red (72%)
- Green (92%)
- Blue (65%)



- Red (65%)
- Yellow (92%)
- Blue (85%)



- Cyan (22%)
- Magenta (0%)
- Yellow (29%)
- Black (8%)



- Cyan (28%)
- Magenta (8%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 56.3584, 72.3602, 47.0729 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 56.3584, 72.3602, 47.0729 by changing the saturation by 10% instead.

■ 56.3584, 72.3602,
47.0729

■ 56.3584, 72.3602,
47.0729

401.0939,
468.7944, 391.5076

■ 40.7285, 53.4530,
32.7385

■ 98.6652, 122.5685,
87.1736

■ 28.2937, 38.1645,
21.6567

■ 126.0727,
154.6384, 113.7769

■ 18.6888, 26.1104,
13.4090

158.1369,
191.8646, 145.3070

■ 11.5483, 16.9062,
7.5768

195.2230,
234.6315, 182.1824

■ 6.5069, 10.1677,
3.7415

237.6964,
283.3235, 224.8216

■ 3.1992, 5.5103,
1.4846


285.9224,

■ 1.2600, 2.5497,


338.3251, 273.6432


0.2064


340.2665,
400.0206, 329.0657


 0.1530, 0.9014,
0.0000


 0.0000, 0.0000,
0.0000


 56.3584, 72.3602,
47.0729


 56.3584, 72.3602,
47.0729


 50.4883, 69.5630,
36.5551


 63.1372, 75.5847,
59.6924

 45.4814, 67.1655,
28.0203

 70.8564, 79.2440,
74.5141

 41.2965, 65.1515,
21.3451

 79.5530, 83.3573,
91.6379

 37.8865, 63.4997,
16.3908

 88.4441, 87.6132,
106.8573

■ 35.1991, 62.1866,
12.9987

■ 88.9998, 87.8996,
106.8833

■ 33.1747, 61.1856,
10.9812

■ 31.7301, 60.4602,
10.0407

■ 31.6527, 60.4212,
9.9942

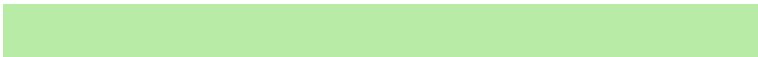
Harmonies

Analogous

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



63.9294, 72.3602, 37.8369



56.3584, 72.3602, 47.0729



52.3131, 72.3602, 66.2060

Triad

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



56.3584, 72.3602, 47.0729



64.2299, 72.3602, 142.3366



88.2751, 72.3602, 65.4060

Complementary

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



56.3584, 72.3602, 47.0729



57.2501, 48.0245, 84.8534

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.



88.3748, 72.3602, 92.8708



56.3584, 72.3602, 47.0729



73.8620, 72.3602, 141.9784

Square

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



56.3584, 72.3602, 47.0729



56.5605, 72.3602, 123.1553



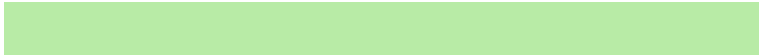
82.8959, 72.3602, 122.2680



82.6351, 72.3602, 46.6060

Rectangle

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



56.3584, 72.3602, 47.0729



51.8927, 72.3602, 84.0007



82.8959, 72.3602, 122.2680



88.9740, 72.3602, 73.7954

Sweetspot

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



56.3603, 72.3633, 47.0745



85.6046, 95.5324, 90.3089



65.8568, 69.8383, 46.0866



18.0156, 20.3023, 18.7326



0.0000, 0.0000, 0.0000



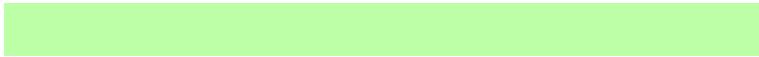
20.3446, 21.4041, 23.3091

Same Dimension

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



56.3603, 72.3633, 47.0745



63.6136, 85.0866, 49.0268



53.8903, 70.9085, 55.1582



15.2367, 17.0521, 16.0070



17.7167, 33.6778, 5.5667



1.4789, 2.6897, 0.4412

Inverse Universe

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



57.2501, 48.0245, 84.8534



64.8288, 51.5107, 101.1334



60.6729, 50.0457, 73.4139



15.3091, 15.1046, 19.0309



18.1494, 8.3923, 44.4063



1.5143, 0.7049, 3.4911

Previews

White Background



This preview shows how the XYZ color 56.3584, 72.3602, 47.0729 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 56.3584, 72.3602, 47.0729 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

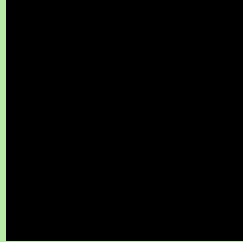
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 56.3584, 72.3602, 47.0729

Background



This preview shows how black text looks on a background with the XYZ color 56.3584, 72.3602, 47.0729.



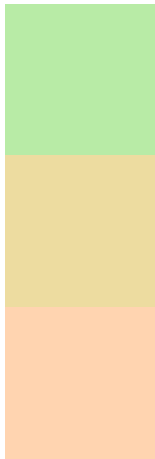
This preview shows how white text looks on a background with the XYZ color 56.3584, 72.3602,

47.0729.

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

56.3584, 72.3602, 47.0729

Protanopia

66.8634, 71.7290, 43.5787

Deuteranopia

72.6200, 71.4816, 51.0441



Tritanopia

65.8678, 72.0573, 95.2309

Trichromacy



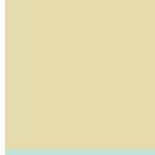
Original Color

56.3584, 72.3602, 47.0729



Protanomaly

62.3602, 71.3645, 44.6704



Deuteranomaly

65.3527, 70.8230, 49.2555



Tritanomaly

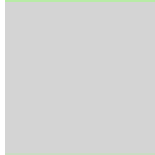
62.0233, 72.1514, 74.9476

Monochromacy



Original Color

56.3584, 72.3602, 47.0729



Achromatopsia

62.5785, 65.8375, 71.6970



Achromatomaly

59.8006, 67.6831, 61.5421

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.3584, 72.3602, 47.0729 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(184, 235, 166)` looks like.

```
.text, #text, p{  
    color:rgb(184, 235, 166)  
}
```

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(184, 235, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 235, 166) }
```

Border

The CSS property to change the border of an element to XYZ 56.3584, 72.3602, 47.0729 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(184, 235, 166) }
```


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

```
.border{ border-color:rgb(184, 235, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 235, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 235, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 235, 166);  
box-shadow:4px 4px 4px 4px rgb(184, 235,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 56.3584, 72.3602, 47.0729 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 235, 166) }
```

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

```
.background{ background-color: rgb(184,  
235, 166) }
```

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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