

Converting Colors

XYZ(47.1256, 58.4612, 35.7939)

Have a look what the booklet for
XYZ(47.1256, 58.4612, 35.7939)
contains.

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Color

**XYZ(47.0730, 58.2476,
35.9560)**

Conversions

Conversions Part 1

Format	Color
Hex	B3D392
RGB	179, 211, 146
RGB Percent	70%, 83%, 57%
CMY	0.2980, 0.1725, 0.4274
CMYK	0.15, 0.00, 0.31, 0.17
HSL	90°, 42%, 70%
HSV	90°, 31%, 83%
XYZ	47.0730, 58.2476, 35.9560
YIQ	194.0220, 1.7930, -26.9990

Conversions

Conversions Part 2

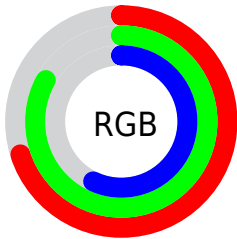
Format	Color
RYB	146, 211, 178
Decimal	11785106
CIELab	80.88, -21.98, 28.79
CIElCh	81, 36.218, 127.359
Yxy	58.2476, 0.3332, 0.4123
Android (android.graphics.Color)	4289975186 (0xFFB3D392)
YUV	194.0220, -23.6748, -13.1743
Hunter-Lab	76.3201, -23.4643, 25.4913

Details

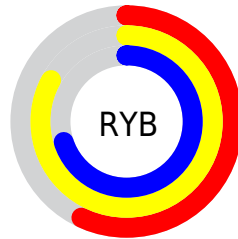
The XYZ color **47.0730, 58.2476, 35.9560** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **40.3992, 34.7275, 66.2051**, and the grayscale version is **51.4275, 54.1057, 58.9211**.

A 20% lighter version of the original color is **80.4463, 93.3523, 68.4224**, and **22.4115, 28.9631, 15.2357** is the 20% darker color. If you saturate the color by 10%, you get **43.2699, 56.4613, 27.9866**, and if you desaturate by 10%, it is **51.3630, 60.2535, 45.5319**.

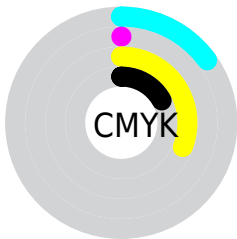
Distribution



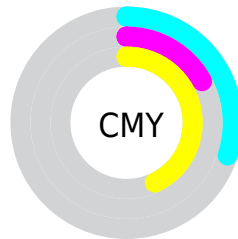
- Red (70%)
- Green (83%)
- Blue (57%)



- Red (57%)
- Yellow (83%)
- Blue (70%)



- Cyan (15%)
- Magenta (0%)
- Yellow (31%)
- Black (17%)





- Cyan (30%)
- Magenta (17%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.0730, 58.2476, 35.9560 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 47.0730, 58.2476, 35.9560 by changing the saturation by 10% instead.


 47.0730, 58.2476,
35.9560

 47.0730, 58.2476,
35.9560


365.7499,
418.1079, 343.7998

 33.3016, 42.0077,
24.1108


 85.0407, 102.2833,
70.1324

 22.5179, 29.1073,
15.2029


 109.9676,
130.8480, 93.3007

 14.3567, 19.1620,
8.8137


139.3437,
164.2897, 121.0805

 8.4525, 11.7874,
4.5247

173.5344,
202.9929, 153.8902

 4.4401, 6.5991,
1.9174

212.9050,
247.3419, 192.1485

 1.9540, 3.2127,
0.5038

257.8209,

 0.6079, 1.2437,

297.7211, 236.2738

0.0000

308.6474,
354.5150, 286.6847

■ 0.0000, 0.0970,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 47.0730, 58.2476,
35.9560

■ 47.0730, 58.2476,
35.9560

■ 43.2699, 56.4613,
27.9866

■ 51.3630, 60.2535,
45.5319

■ 39.9285, 54.8781,
21.5319

■ 56.1547, 62.4794,
56.7918

■ 37.0280, 53.4913,
16.4964

■ 61.4677, 64.9357,
69.8129

■ 34.5437, 52.2905,
12.7725

■ 67.3190, 67.6294,
84.6664

■ 32.4478, 51.2639,
10.2371

■ 73.7250, 70.5677,
101.4195

■ 30.7080, 50.3983,
8.7435

■ 77.7352, 72.5706,
104.5182

■ 29.3729, 49.7240,
8.0496

■ 81.3900, 74.4547,
104.6892

■ 82.5855, 75.0710,
104.7452

Harmonies

Analogous

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



53.5378, 58.2476, 30.6731



47.0730, 58.2476, 35.9560



43.1029, 58.2476, 48.8286

Triad

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



47.0730, 58.2476, 35.9560



50.0002, 58.2476, 109.6284



70.9140, 58.2476, 58.2824

Complementary

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



47.0730, 58.2476, 35.9560



40.3992, 34.7275, 66.2051

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.



69.7510, 58.2476, 80.6663



47.0730, 58.2476, 35.9560



57.2284, 58.2476, 113.7692

Square

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



47.0730, 58.2476, 35.9560



44.6835, 58.2476, 91.8957



64.5724, 58.2476, 102.1915



67.6205, 58.2476, 41.5361

Rectangle

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



47.0730, 58.2476, 35.9560



42.1829, 58.2476, 61.5399



64.5724, 58.2476, 102.1915



71.0360, 58.2476, 65.3416

Sweetspot

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



47.0745, 58.2501, 35.9573



87.5370, 96.5286, 90.3994



47.8591, 47.5355, 33.8478



18.4900, 20.5469, 18.7548



0.0000, 0.0000, 0.0000



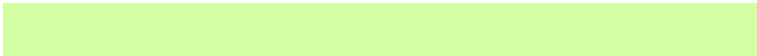
20.3446, 21.4041, 23.3091

Same Dimension

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



47.0745, 58.2501, 35.9573



68.3286, 87.5701, 46.8580



40.5319, 54.8773, 35.6511



12.2202, 13.4970, 12.5731



17.8442, 30.0680, 4.8632



1.0892, 1.7284, 0.2762

Inverse Universe

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



40.3992, 34.7275, 66.2051



56.4948, 45.8679, 100.4835



48.5937, 38.9519, 66.5886



11.7100, 11.6993, 14.8847



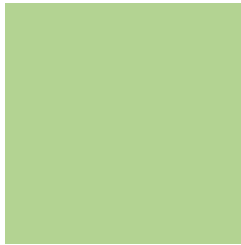
10.6511, 4.6711, 37.5327



0.6870, 0.3083, 2.1029

Previews

White Background



This preview shows how the XYZ color 47.0730, 58.2476, 35.9560 looks on a white background.

Color Contrast Check

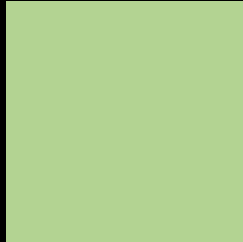
Large Text (above 18pt) WCAG AA × Fail

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 47.0730, 58.2476, 35.9560 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

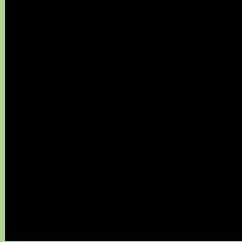
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.0730, 58.2476, 35.9560

Background



This preview shows how black text looks on a background with the XYZ color 47.0730, 58.2476, 35.9560.



This preview shows how white text looks on a background with the XYZ color 47.0730, 58.2476,

35.9560.

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

47.0730, 58.2476, 35.9560

Protanopia

53.7809, 57.8306, 33.5272

Deuteranopia

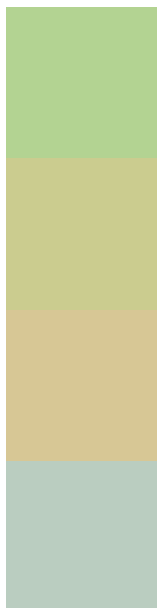
58.9467, 57.7341, 36.8911



Tritanopia

55.0106, 58.2502, 74.6737

Trichromacy



Original Color

47.0730, 58.2476, 35.9560

Protanomaly

51.1794, 57.8654, 34.4583

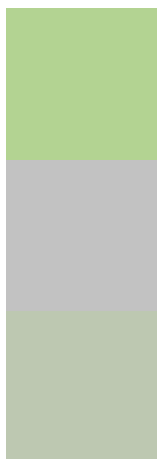
Deuteranomaly

53.8726, 57.4638, 36.6860

Tritanomaly

51.5954, 57.9075, 58.3271

Monochromacy



Original Color

47.0730, 58.2476, 35.9560

Achromatopsia

51.2775, 53.9479, 58.7493

Achromatomaly

49.5764, 55.3017, 49.6563

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.0730, 58.2476, 35.9560 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(179, 211, 146)` looks like.

```
.text, #text, p{  
    color:rgb(179, 211, 146)  
}
```

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(179, 211, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 211, 146) }
```

Border

The CSS property to change the border of an element to XYZ 47.0730, 58.2476, 35.9560 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(179, 211, 146) }
```


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

```
.border{ border-color:rgb(179, 211, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 211, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 211, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 211, 146);  
box-shadow:4px 4px 4px 4px rgb(179, 211,  
146) }
```

Background

The CSS property to change the background color of an element to XYZ 47.0730, 58.2476, 35.9560 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 211, 146) }
```

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

```
.background{ background-color: rgb(179,  
211, 146) }
```

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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