

Converting Colors

XYZ(48.3691, 60.0235, 36.6401)

Have a look what the booklet for
XYZ(48.3691, 60.0235, 36.6401)
contains.

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Color

**XYZ(48.3691, 60.0235,
36.6401)**

Conversions

Conversions Part 1

Format	Color
Hex	B5D693
RGB	181, 214, 147
RGB Percent	71%, 84%, 58%
CMY	0.2902, 0.1608, 0.4235
CMYK	0.15, 0.00, 0.31, 0.16
HSL	90°, 45%, 71%
HSV	90°, 31%, 84%
XYZ	48.3691, 60.0235, 36.6401
YIQ	196.4950, 1.8390, -27.8330

Conversions

Conversions Part 2

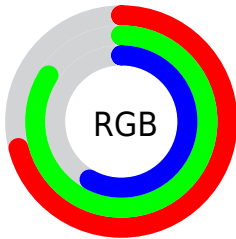
Format	Color
RYB	147, 214, 180
Decimal	11916947
CIELab	81.85, -22.58, 29.60
CIELCh	82, 37.228, 127.342
Yxy	60.0235, 0.3335, 0.4139
Android (android.graphics.Color)	4290107027 (0xFFB5D693)
YUV	196.4950, -24.4010, -13.5891
Hunter-Lab	77.4748, -24.1398, 26.1924

Details

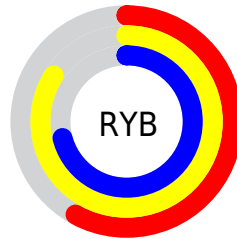
The XYZ color **48.3691, 60.0235, 36.6401** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **41.3962, 35.4274, 68.2780**, and the grayscale version is **52.9094, 55.6648, 60.6190**.

A 20% lighter version of the original color is **81.5625, 93.9142, 69.0868**, and **23.2619, 30.1528, 15.6604** is the 20% darker color. If you saturate the color by 10%, you get **44.4650, 58.1890, 28.4922**, and if you desaturate by 10%, it is **52.7757, 62.0846, 46.4447**.

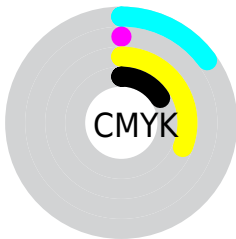
Distribution



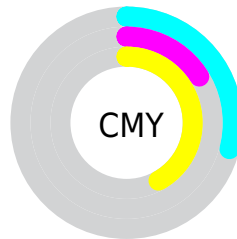
- Red (71%)
- Green (84%)
- Blue (58%)



- Red (58%)
- Yellow (84%)
- Blue (71%)



- Cyan (15%)
- Magenta (0%)
- Yellow (31%)
- Black (16%)





- Cyan (29%)
- Magenta (16%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.3691, 60.0235, 36.6401 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 48.3691, 60.0235, 36.6401 by changing the saturation by 10% instead.


 48.3691, 60.0235,
36.6401


 48.3691, 60.0235,
36.6401


370.8116,
424.6844, 346.8714

 34.3317, 43.4376,
24.6354


 86.9601, 104.8638,
71.1990

 23.3127, 30.2286,
15.5891


 112.2444,
133.8869, 94.5903

 14.9465, 20.0122,
9.0826


142.0084,
167.8245, 122.6142

 8.8679, 12.4039,
4.6976

176.6175,
207.0611, 155.6892

 4.7116, 7.0194,
2.0153

216.4370,
251.9810, 194.2339

 2.1120, 3.4742,
0.5647

261.8323,

 0.6957, 1.3840,

302.9685, 238.6668

0.0000

313.1687,
360.4082, 289.4064

■ 0.0000, 0.2049,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 48.3691, 60.0235,
36.6401

■ 48.3691, 60.0235,
36.6401

■ 44.4650, 58.1890,
28.4922

■ 52.7757, 62.0846,
46.4447

■ 41.0375, 56.5643,
21.9054

■ 57.7003, 64.3730,
57.9865

■ 38.0646, 55.1421,
16.7806

■ 63.1632, 66.8991,
71.3456

■ 35.5208, 53.9116,
13.0054

■ 69.1820, 69.6707,
86.5960

■ 33.3771, 52.8608,
10.4514

■ 75.7738, 72.6947,
103.8075

■ 31.5995, 51.9755,
8.9651

■ 79.4927, 74.5934,
104.8160

■ 30.3042, 51.3209,
8.3087

■ 83.2610, 76.5360,
104.9923

■ 83.3378, 76.5756,
104.9959

Harmonies

Analogous

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



55.1418, 60.0235, 31.1514



48.3691, 60.0235, 36.6401



44.2144, 60.0235, 50.0650

Triad

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



48.3691, 60.0235, 36.6401



51.4265, 60.0235, 113.9628



73.3834, 60.0235, 59.9812

Complementary

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



48.3691, 60.0235, 36.6401



41.3962, 35.4274, 68.2780

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.



72.1577, 60.0235, 83.4794



48.3691, 60.0235, 36.6401



59.0028, 60.0235, 118.3415

Square

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



48.3691, 60.0235, 36.6401



45.8633, 60.0235, 95.2676



66.7132, 60.0235, 106.1395



69.9234, 60.0235, 42.4683

Rectangle

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



48.3691, 60.0235, 36.6401



43.2515, 60.0235, 63.3693



66.7132, 60.0235, 106.1395



73.5107, 60.0235, 67.3826

Sweetspot

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



48.3706, 60.0261, 36.6414



87.5352, 96.5277, 90.3993



49.1974, 48.7990, 34.4308



18.4896, 20.5467, 18.7548



0.0000, 0.0000, 0.0000



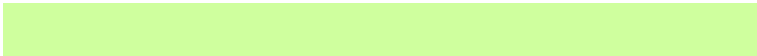
20.3446, 21.4041, 23.3091

Same Dimension

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



48.3706, 60.0261, 36.6414



67.7475, 87.2962, 45.6721



41.5487, 56.5093, 36.3221



12.8571, 14.2025, 13.2244



18.4364, 31.0806, 5.0275



1.2075, 1.9238, 0.3077

Inverse Universe

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



41.3962, 35.4274, 68.2780



55.7007, 44.8055, 100.3203



49.9804, 39.8528, 68.6797



12.3193, 12.3060, 15.6635



11.0067, 4.8267, 38.8047



0.7593, 0.3403, 2.3450

Previews

White Background



This preview shows how the XYZ color 48.3691, 60.0235, 36.6401 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 48.3691, 60.0235, 36.6401 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

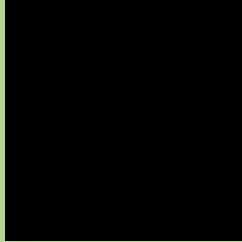
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.3691, 60.0235, 36.6401

Background



This preview shows how black text looks on a background with the XYZ color 48.3691, 60.0235, 36.6401.



This preview shows how white text looks on a background with the XYZ color 48.3691, 60.0235,

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

48.3691, 60.0235, 36.6401

Protanopia

55.4518, 59.7249, 34.1966

Deuteranopia

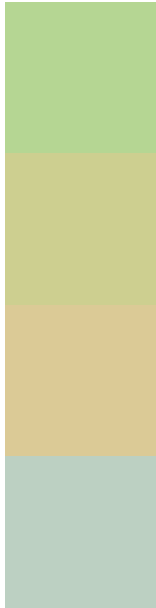
61.0362, 59.7898, 37.6018



Tritanopia

56.6207, 60.0896, 77.0208

Trichromacy



Original Color

48.3691, 60.0235, 36.6401

Protanomaly

52.5237, 59.6184, 35.1248

Deuteranomaly

55.8390, 59.5031, 37.3964

Tritanomaly

53.0325, 59.6982, 59.7667

Monochromacy



Original Color

48.3691, 60.0235, 36.6401

Achromatopsia

52.4687, 55.2011, 60.1140

Achromatomaly

50.8777, 57.0026, 50.4405

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.3691, 60.0235, 36.6401 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(181, 214, 147)` looks like.

```
.text, #text, p{  
    color:rgb(181, 214, 147)  
}
```

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(181, 214, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 214, 147) }
```

Border

The CSS property to change the border of an element to XYZ 48.3691, 60.0235, 36.6401 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(181, 214, 147) }
```


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

```
.border{ border-color:rgb(181, 214, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 214, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 214, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 214, 147);  
box-shadow:4px 4px 4px 4px rgb(181, 214,  
147) }
```

Background

The CSS property to change the background color of an element to XYZ 48.3691, 60.0235, 36.6401 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 214, 147) }
```

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

```
.background{ background-color: rgb(181,  
214, 147) }
```

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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