

Converting Colors

XYZ(48.7756, 62.0856, 24.1849)

Have a look what the booklet for
XYZ(48.7756, 62.0856, 24.1849)
contains.

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Color

**XYZ(48.6249, 61.9600,
24.1485)**

Conversions

Conversions Part 1

Format	Color
Hex	BCDA6E
RGB	188, 218, 110
RGB Percent	74%, 85%, 43%
CMY	0.2627, 0.1451, 0.5686
CMYK	0.14, 0.00, 0.50, 0.15
HSL	77°, 59%, 64%
HSV	77°, 50%, 85%
XYZ	48.6249, 61.9600, 24.1485
YIQ	196.7180, 16.7880, -39.9480

Conversions

Conversions Part 2

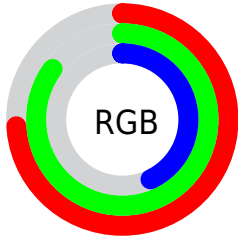
Format	Color
RYB	110, 218, 140
Decimal	12376686
CIELab	82.89, -26.37, 49.44
CIElCh	83, 56.033, 118.070
Yxy	61.9600, 0.3609, 0.4599
Android (android.graphics.Color)	4290566766 (0xFFBCDA6E)
YUV	196.7180, -42.7520, -7.6457
Hunter-Lab	78.7147, -27.4848, 36.9110

Details

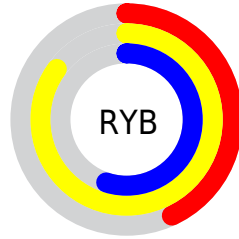
The XYZ color **48.6249, 61.9600, 24.1485** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **29.0485, 21.7909, 69.0084**, and the grayscale version is **53.1448, 55.9124, 60.8886**.

A 20% lighter version of the original color is **80.4669, 93.7932, 48.9848**, and **23.5338, 31.4864, 8.8401** is the 20% darker color. If you saturate the color by 10%, you get **46.1206, 60.7917, 18.5797**, and if you desaturate by 10%, it is **51.4868, 63.2830, 31.2605**.

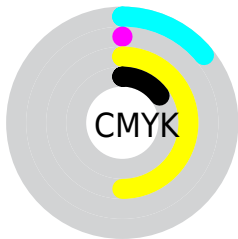
Distribution



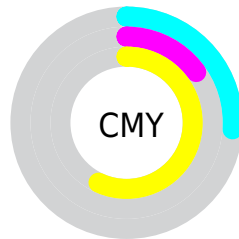
- Red (74%)
- Green (85%)
- Blue (43%)



- Red (43%)
- Yellow (85%)
- Blue (55%)



- Cyan (14%)
- Magenta (0%)
- Yellow (50%)
- Black (15%)



- Cyan (26%)
- Magenta (15%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.6249, 61.9600, 24.1485 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 48.6249, 61.9600, 24.1485 by changing the saturation by 10% instead.

■ 48.6249, 61.9600,
24.1485

■ 48.6249, 61.9600,
24.1485

371.8053,
431.7852, 286.8811

■ 34.5353, 45.0004,
15.2306

■ 87.3382, 107.6677,
51.2193

■ 23.4700, 31.4577,
8.8330

■ 112.6926,
137.1846, 70.2093

■ 15.0635, 20.9476,
4.5371

■ 142.5326,
171.6560, 93.3937

■ 8.9506, 13.0857,
1.9244

■ 177.2237,
211.4664, 121.1910

■ 4.7658, 7.4876,
0.5082

217.1312,
257.0001, 154.0199

■ 2.1439, 3.7689,
0.0000

262.6203,

■ 0.7129, 1.5451,

308.6415, 192.2989

0.0000

314.0566,
366.7751, 236.4464

■ 0.0000, 0.3202,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 48.6249, 61.9600,
24.1485

■ 48.6249, 61.9600,
24.1485

■ 46.1206, 60.7917,
18.5797

■ 51.4868, 63.2830,
31.2605

■ 43.9469, 59.7605,
14.4353


■ 54.7222, 64.7604,
40.0151


■ 42.0796, 58.8591,
11.5857


■ 58.3512, 66.4028,
50.5076

■ 40.4885, 58.0750,
9.8758

■ 62.3911, 68.2169,
62.8254


 39.1231, 57.3881,
9.0437


 66.8579, 70.2095,
77.0497

 39.0631, 57.3579,
9.0123

 71.7670, 72.3865,
93.2568

 75.8834, 74.2543,
104.9408

 77.8656, 75.2761,
105.0335

 79.9161, 76.3332,
105.1295

Harmonies

Analogous

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



59.6767, 61.9600, 20.4321



48.6249, 61.9600, 24.1485



41.2979, 61.9600, 38.0466

Triad

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



48.6249, 61.9600, 24.1485



47.4424, 61.9600, 141.1208



85.2852, 61.9600, 69.7286

Complementary

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



48.6249, 61.9600, 24.1485



29.0485, 21.7909, 69.0084

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.



80.8822, 61.9600, 109.1093



48.6249, 61.9600, 24.1485



58.1125, 61.9600, 158.1625

Square

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



48.6249, 61.9600, 24.1485



40.6837, 61.9600, 103.8510



70.5093, 61.9600, 144.8160



81.8524, 61.9600, 40.7566

Rectangle

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



48.6249, 61.9600, 24.1485



38.9656, 61.9600, 54.6278



70.5093, 61.9600, 144.8160



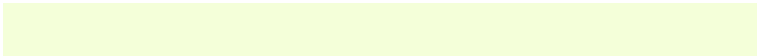
84.6615, 61.9600, 82.1680

Sweetspot

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



48.6264, 61.9628, 24.1498



85.6898, 95.8167, 79.4534



40.9339, 34.4405, 19.2429



18.0834, 20.3928, 16.2268



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.



48.6264, 61.9628, 24.1498



65.7858, 86.7070, 26.5125



37.9119, 56.4392, 23.6484



13.7912, 15.0726, 13.9080



23.5108, 34.4177, 5.4041



1.6050, 2.2720, 0.3539

Inverse Universe

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



29.0485, 21.7909, 69.0084



34.9720, 23.3747, 97.2763



40.1744, 27.5265, 69.5291



12.6766, 12.7914, 16.4530



8.8088, 3.6653, 39.9816



0.6535, 0.2802, 2.5941

Previews

White Background



This preview shows how the XYZ color 48.6249, 61.9600, 24.1485 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 48.6249, 61.9600, 24.1485 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

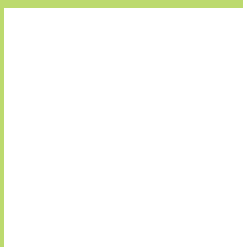
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.6249, 61.9600, 24.1485

Background



This preview shows how black text looks on a background with the XYZ color 48.6249, 61.9600, 24.1485.



This preview shows how white text looks on a background with the XYZ color 48.6249, 61.9600,

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

48.6249, 61.9600, 24.1485

Protanopia

56.3514, 61.5141, 22.5390

Deuteranopia

62.6181, 61.2269, 24.7373



Tritanopia

59.6132, 61.9731, 77.9273

Trichromacy



Original Color

48.6249, 61.9600, 24.1485

Protanomaly

53.1410, 61.3009, 22.9413

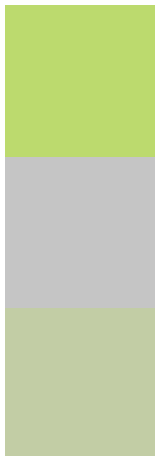
Deuteranomaly

56.5684, 60.8720, 24.3908

Tritanomaly

54.4130, 61.2997, 52.6802

Monochromacy



Original Color

48.6249, 61.9600, 24.1485

Achromatopsia

53.0703, 55.8340, 60.8033

Achromatomaly

50.8710, 57.8486, 44.0820

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.6249, 61.9600, 24.1485 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(188, 218, 110)` looks like.

```
.text, #text, p{  
    color:rgb(188, 218, 110)  
}
```

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(188, 218, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 218, 110) }
```

Border

The CSS property to change the border of an element to XYZ 48.6249, 61.9600, 24.1485 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(188, 218, 110) }
```


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

```
.border{ border-color:rgb(188, 218, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 218, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 218, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 218, 110);  
box-shadow:4px 4px 4px 4px rgb(188, 218,  
110) }
```

Background

The CSS property to change the background color of an element to XYZ 48.6249, 61.9600, 24.1485 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 218, 110) }
```

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

```
.background{ background-color: rgb(188,  
218, 110) }
```

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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