

Converting Colors

XYZ(48.1483, 62.2238, 33.2045)

Have a look what the booklet for
XYZ(48.1483, 62.2238, 33.2045)
contains.

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Color

**XYZ(48.2400, 62.3397,
33.1571)**

Conversions

Conversions Part 1

Format	Color
Hex	B1DC89
RGB	177, 220, 137
RGB Percent	69%, 86%, 54%
CMY	0.3059, 0.1372, 0.4627
CMYK	0.20, 0.00, 0.38, 0.14
HSL	91°, 54%, 70%
HSV	91°, 38%, 86%
XYZ	48.2400, 62.3397, 33.1571
YIQ	197.6810, 1.0150, -34.9290

Conversions

Conversions Part 2

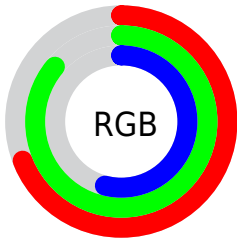
Format	Color
RYB	137, 220, 180
Decimal	11656329
CIELab	83.09, -28.29, 36.30
CIElCh	83, 46.021, 127.937
Yxy	62.3397, 0.3356, 0.4337
Android (android.graphics.Color)	4289846409 (0xFFB1DC89)
YUV	197.6810, -29.9157, -18.1372
Hunter-Lab	78.9555, -29.1127, 30.3702

Details

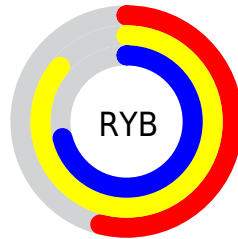
The XYZ color **48.2400, 62.3397, 33.1571** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **40.6890, 32.7637, 71.8932**, and the grayscale version is **53.6596, 56.4541, 61.4785**.

A 20% lighter version of the original color is **79.0957, 92.7740, 63.0286**, and **23.3032, 31.7931, 13.7126** is the 20% darker color. If you saturate the color by 10%, you get **44.3316, 60.4909, 25.5596**, and if you desaturate by 10%, it is **52.6903, 64.4345, 42.4622**.

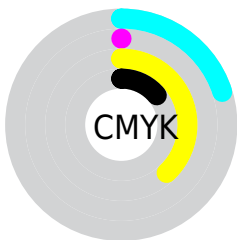
Distribution



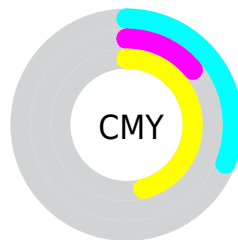
- Red (69%)
- Green (86%)
- Blue (54%)



- Red (54%)
- Yellow (86%)
- Blue (71%)



- Cyan (20%)
- Magenta (0%)
- Yellow (38%)
- Black (14%)





- Cyan (31%)
- Magenta (14%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.2400, 62.3397, 33.1571 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 48.2400, 62.3397, 33.1571 by changing the saturation by 10% instead.


 48.2400, 62.3397,
33.1571


 48.2400, 62.3397,
33.1571


370.3094,
433.1691, 331.0107


 34.2290, 45.3072,
21.9747


 86.7692, 108.2163,
65.7396

 23.2333, 31.6995,
13.6402


 112.0181,
137.8293, 87.9767

 14.8875, 21.1321,
7.7350


 141.7437,
172.4046, 114.7359

 8.8263, 13.2206,
3.8405

176.3113,
212.3265, 146.4356

 4.6843, 7.5806,
1.5383

216.0863,
257.9796, 183.4944

 2.0961, 3.8278,
0.2462

261.4341,

 0.6871, 1.5777,

309.7481, 226.3308

0.0000

312.7200,
368.0165, 275.3634

■ 0.0000, 0.3425,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 48.2400, 62.3397,
33.1571

■ 48.2400, 62.3397,
33.1571

■ 44.3316, 60.4909,
25.5596

■ 52.6903, 64.4345,
42.4622

■ 40.9354, 58.8693,
19.5616


■ 57.7008, 66.7769,
53.5659


■ 38.0257, 57.4662,
15.0493


■ 63.2948, 69.3790,
66.5578


■ 35.5719, 56.2685,
11.8918


■ 69.4926, 72.2493,
81.5201

 33.5390, 55.2617,
9.9358

 76.3135, 75.3962,
98.5303

 31.8804, 54.4264,
8.9686

 81.4379, 77.8923,
105.3502

 31.5405, 54.2543,
8.8098

 84.8845, 79.6691,
105.5115

Harmonies

Analogous

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



56.6464, 62.3397, 26.7565



48.2400, 62.3397, 33.1571



43.2157, 62.3397, 49.2888

Triad

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



48.2400, 62.3397, 33.1571



52.3453, 62.3397, 132.4572



80.3169, 62.3397, 60.5812

Complementary

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



48.2400, 62.3397, 33.1571



40.6890, 32.7637, 71.8932

Split Complementary

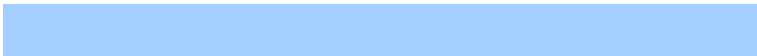
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.8331, 62.3397, 90.6349



48.2400, 62.3397, 33.1571



61.9363, 62.3397, 137.9837

Square

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



48.2400, 62.3397, 33.1571



45.3943, 62.3397, 107.4921



71.8240, 62.3397, 120.9776



75.6769, 62.3397, 39.4315

Rectangle

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



48.2400, 62.3397, 33.1571



42.0992, 62.3397, 65.9223



71.8240, 62.3397, 120.9776



80.5266, 62.3397, 69.8706

Sweetspot

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



48.2416, 62.3424, 33.1584



85.7121, 95.6704, 86.5856



50.3307, 49.6196, 30.5926



18.1149, 20.3700, 17.9943



0.0000, 0.0000, 0.0000



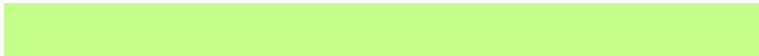
20.3446, 21.4041, 23.3091

Same Dimension

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



48.2416, 62.3424, 33.1584



63.1592, 85.0959, 38.0040



40.5269, 58.3538, 33.3188



13.4806, 14.9125, 13.8935



18.6372, 31.9053, 5.1761



1.3066, 2.1181, 0.3400

Inverse Universe

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



40.6890, 32.7637, 71.8932



51.2050, 38.2879, 99.2992



51.1991, 38.2030, 71.4324



12.9790, 12.9473, 16.4671



11.7826, 5.1983, 40.1208



0.8627, 0.3880, 2.6039

Previews

White Background



This preview shows how the XYZ color 48.2400, 62.3397, 33.1571 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 48.2400, 62.3397, 33.1571 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 48.2400, 62.3397, 33.1571

Background



This preview shows how black text looks on a background with the XYZ color 48.2400, 62.3397, 33.1571.



This preview shows how white text looks on a background with the XYZ color 48.2400, 62.3397,

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

48.2400, 62.3397, 33.1571

Protanopia

57.2875, 61.8161, 30.7421

Deuteranopia

62.8548, 61.4783, 34.1449



Tritanopia

57.7631, 62.0391, 80.8818

Trichromacy



Original Color

48.2400, 62.3397, 33.1571

Protanomaly

53.6098, 61.7197, 31.6418

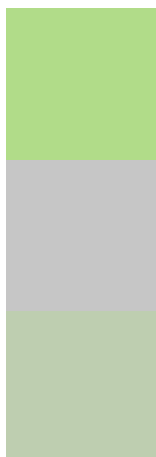
Deuteranomaly

56.3837, 60.9282, 33.5995

Tritanomaly

53.5394, 61.7978, 60.1453

Monochromacy



Original Color

48.2400, 62.3397, 33.1571

Achromatopsia

53.6758, 56.4712, 61.4971

Achromatomaly

51.1430, 58.2244, 49.6172

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.2400, 62.3397, 33.1571 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(177, 220, 137)` looks like.

```
.text, #text, p{  
    color:rgb(177, 220, 137)  
}
```

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(177, 220, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 220, 137) }
```

Border

The CSS property to change the border of an element to XYZ 48.2400, 62.3397, 33.1571 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(177, 220, 137) }
```


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

```
.border{ border-color:rgb(177, 220, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 220, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 220, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 220, 137);  
box-shadow:4px 4px 4px 4px rgb(177, 220,  
137) }
```

Background

The CSS property to change the background color of an element to XYZ 48.2400, 62.3397, 33.1571 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 220, 137) }
```

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

```
.background{ background-color: rgb(177,  
220, 137) }
```

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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