

Converting Colors

XYZ(48.2216, 62.7535, 31.7614)

Have a look what the booklet for
XYZ(48.2216, 62.7535, 31.7614)
contains.

XYZ(48.2216, 62.7535, 31.7614)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(48.2216, 62.7535,
31.7614)**

Conversions

Conversions Part 1

Format	Color
Hex	B1DD85
RGB	177, 221, 133
RGB Percent	69%, 87%, 52%
CMY	0.3059, 0.1333, 0.4784
CMYK	0.20, 0.00, 0.40, 0.13
HSL	90°, 56%, 69%
HSV	90°, 40%, 87%
XYZ	48.2216, 62.7535, 31.7614
YIQ	197.8120, 2.0240, -36.6960

Conversions

Conversions Part 2

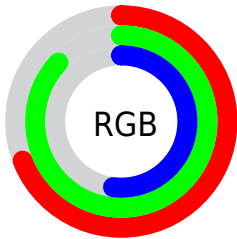
Format	Color
RYB	133, 221, 177
Decimal	11656581
CIELab	83.31, -29.29, 38.59
CIElCh	83, 48.443, 127.198
Yxy	62.7535, 0.3378, 0.4396
Android (android.graphics.Color)	4289846661 (0xFFB1DD85)
YUV	197.8120, -31.9523, -18.2521
Hunter-Lab	79.2171, -29.9721, 31.6802

Details

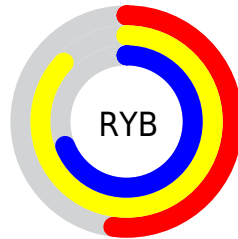
The XYZ color **48.2216, 62.7535, 31.7614** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **39.5727, 31.3444, 72.3745**, and the grayscale version is **53.7508, 56.5501, 61.5830**.

A 20% lighter version of the original color is **78.6613, 92.6003, 60.7415**, and **23.3276, 32.0926, 12.9476** is the 20% darker color. If you saturate the color by 10%, you get **44.4369, 60.9626, 24.4355**, and if you desaturate by 10%, it is **52.5346, 64.7835, 40.7913**.

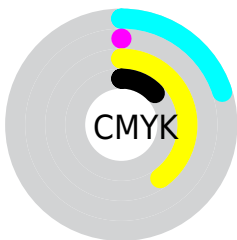
Distribution



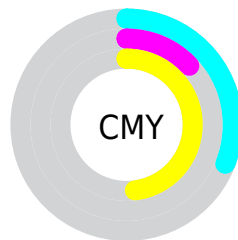
- Red (69%)
- Green (87%)
- Blue (52%)



- Red (52%)
- Yellow (87%)
- Blue (69%)



- Cyan (20%)
- Magenta (0%)
- Yellow (40%)
- Black (13%)



- Cyan (31%)
- Magenta (13%)
- Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.2216, 62.7535, 31.7614 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 48.2216, 62.7535, 31.7614 by changing the saturation by 10% instead.

■ 48.2216, 62.7535,
31.7614

■ 48.2216, 62.7535,
31.7614

370.2378,
434.6743, 324.4901

■ 34.2144, 45.6418,
20.9160

■ 86.7420, 108.8138,
63.5304

■ 23.2220, 31.9633,
12.8720

■ 111.9858,
138.5312, 85.2911

■ 14.8791, 21.3334,
7.2108

■ 141.7059,
173.2194, 111.5273

■ 8.8204, 13.3680,
3.5138

176.2676,
213.2626, 142.6576

■ 4.6804, 7.6824,
1.3626

216.0363,
259.0453, 179.1005

■ 2.0938, 3.8924,
0.1123

261.3774,

■ 0.6858, 1.6136,

310.9519, 221.2745

0.0000

312.6561,
369.3668, 269.5982

0.0000, 0.3667,
0.0000

0.0000, 0.0000,
0.0000

48.2216, 62.7535,
31.7614

48.2216, 62.7535,
31.7614

44.4369, 60.9626,
24.4355

52.5346, 64.7835,
40.7913

41.1507, 59.3920,
18.7025


57.3943, 67.0542,
51.6192


38.3369, 58.0328,
14.4442


62.8241, 69.5774,
64.3367


35.9645, 56.8719,
11.5243


68.8441, 72.3619,
79.0283


 33.9975, 55.8944,
9.7814


 75.4737, 75.4158,
95.7733

 32.3771, 55.0761,
8.9358

 80.9759, 78.0449,
105.4040

 32.3499, 55.0623,
8.9231

 84.9120, 80.0740,
105.5882

 85.1478, 80.1955,
105.5993

Harmonies

Analogous

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



57.1440, 62.7535, 25.4303



48.2216, 62.7535, 31.7614



42.8580, 62.7535, 48.2266

Triad

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



48.2216, 62.7535, 31.7614



52.1366, 62.7535, 136.9438



82.0754, 62.7535, 61.3164

Complementary

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



48.2216, 62.7535, 31.7614



39.5727, 31.3444, 72.3745

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.



80.3274, 62.7535, 93.3579



48.2216, 62.7535, 31.7614



62.2185, 62.7535, 143.5249

Square

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



48.2216, 62.7535, 31.7614



44.9257, 62.7535, 109.7273



72.7442, 62.7535, 125.7152



77.2729, 62.7535, 38.9221

Rectangle

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



48.2216, 62.7535, 31.7614



41.6199, 62.7535, 65.5315



72.7442, 62.7535, 125.7152



82.2429, 62.7535, 71.2027

Sweetspot

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



48.2232, 62.7562, 31.7628



85.1019, 95.3962, 84.7337



49.7770, 48.5122, 28.9315



17.9990, 20.3183, 17.6253



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.



48.2232, 62.7562, 31.7628



62.1617, 84.6447, 35.1075



39.7649, 58.3958, 31.3669



13.5037, 14.9244, 13.8946



18.9223, 32.0523, 5.1894



1.3253, 2.1277, 0.3408

Inverse Universe

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



39.5727, 31.3444, 72.3745



48.5809, 35.3292, 98.8665



51.2600, 37.3694, 72.9214



12.9559, 12.9354, 16.4661



11.4847, 5.0448, 40.1068



0.8434, 0.3781, 2.6030

Previews

White Background



This preview shows how the XYZ color 48.2216, 62.7535, 31.7614 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 48.2216, 62.7535, 31.7614 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 48.2216, 62.7535, 31.7614

Background



This preview shows how black text looks on a background with the XYZ color 48.2216, 62.7535, 31.7614.



This preview shows how white text looks on a background with the XYZ color 48.2216, 62.7535,

31.7614.

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

48.2216, 62.7535, 31.7614

Protanopia

57.5731, 62.3529, 29.4230

Deuteranopia

63.4929, 62.1796, 32.7002



Tritanopia

58.3976, 62.7156, 81.7005

Trichromacy



Original Color

48.2216, 62.7535, 31.7614

Protanomaly

53.5852, 62.1086, 30.2830

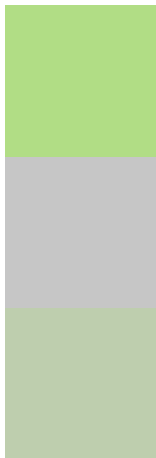
Deuteranomaly

56.6394, 61.4498, 32.1683

Tritanomaly

53.9219, 62.3825, 59.6511

Monochromacy



Original Color

48.2216, 62.7535, 31.7614

Achromatopsia

53.6758, 56.4712, 61.4971

Achromatomaly

50.9465, 58.1458, 48.5825

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.2216, 62.7535, 31.7614 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, 221, 133)` looks like.

```
.text, #text, p{  
    color:rgb(177, 221, 133)  
}
```

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, 221, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 221, 133) }
```

Border

The CSS property to change the border of an element to XYZ 48.2216, 62.7535, 31.7614 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, 221, 133) }
```


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

```
.border{ border-color:rgb(177, 221, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 221, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 221, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 221, 133);  
box-shadow:4px 4px 4px 4px rgb(177, 221,  
133) }
```

Background

The CSS property to change the background color of an element to XYZ 48.2216, 62.7535, 31.7614 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 221, 133) }
```

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

```
.background{ background-color: rgb(177,  
221, 133) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor