

Converting Colors

XYZ(49.4461, 65.8571, 24.1754)

Have a look what the booklet for
XYZ(49.4461, 65.8571, 24.1754)
contains.

XYZ(49.4673, 65.9660, 24.3129)	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(49.4673, 65.9660,
24.3129)**

Conversions

Conversions Part 1

Format	Color
Hex	B6E36C
RGB	182, 227, 108
RGB Percent	71%, 89%, 42%
CMY	0.2863, 0.1098, 0.5765
CMYK	0.20, 0.00, 0.52, 0.11
HSL	83°, 68%, 66%
HSV	83°, 52%, 89%
XYZ	49.4673, 65.9660, 24.3129
YIQ	199.9790, 11.3790, -46.5490

Conversions

Conversions Part 2

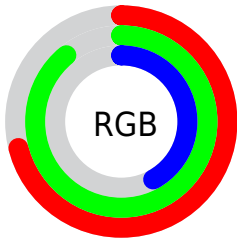
Format	Color
RYB	108, 227, 153
Decimal	11985772
CIELab	84.98, -33.07, 52.77
CIELCh	85, 62.270, 122.073
Yxy	65.9660, 0.3540, 0.4720
Android (android.graphics.Color)	4290175852 (0xFFB6E36C)
YUV	199.9790, -45.3456, -15.7676
Hunter-Lab	81.2195, -33.4173, 39.1053

Details

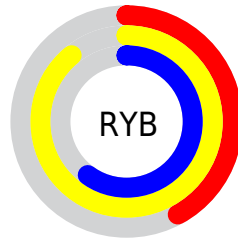
The XYZ color **49.4673, 65.9660, 24.3129** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **32.3673, 23.0453, 75.4191**, and the grayscale version is **55.1539, 58.0262, 63.1905**.

A 20% lighter version of the original color is **78.2168, 92.6539, 47.9439**, and **23.8567, 33.8373, 8.8883** is the 20% darker color. If you saturate the color by 10%, you get **46.4478, 64.5334, 18.6657**, and if you desaturate by 10%, it is **52.9289, 67.5944, 31.6251**.

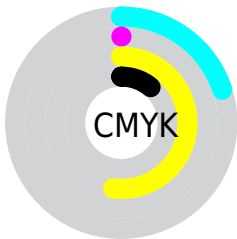
Distribution



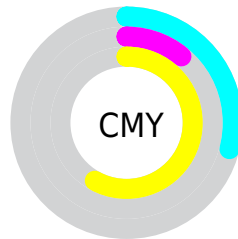
- Red (71%)
- Green (89%)
- Blue (42%)



- Red (42%)
- Yellow (89%)
- Blue (60%)



- Cyan (20%)
- Magenta (0%)
- Yellow (52%)
- Black (11%)




- Cyan (29%)
- Magenta (11%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.4673, 65.9660, 24.3129 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 49.4673, 65.9660, 24.3129 by changing the saturation by 10% instead.


 49.4673, 65.9660,
24.3129


 49.4673, 65.9660,
24.3129


375.0656,
446.2553, 287.7359


 35.2064, 48.2448,
15.3515


 88.5817, 113.4375,
51.4905


 23.9892, 34.0208,
8.9171


 114.1658,
143.9567, 70.5439

 15.4503, 22.9096,
4.5911


 144.2551,
179.5105, 93.7984

 9.2244, 14.5267,
1.9549

 179.2148,
220.4836, 121.6725

 4.9461, 8.4879,
0.5273

219.4104,
267.2602, 154.5847

 2.2501, 4.4087,
0.0000

265.2071,

 0.7689, 1.9047,

320.2247, 192.9537

0.0000

316.9704,
379.7616, 237.1979

0.0000, 0.5512,
0.0000

0.0000, 0.0000,
0.0000

49.4673, 65.9660,
24.3129

49.4673, 65.9660,
24.3129

46.4478, 64.5334,
18.6657

52.9289, 67.5944,
31.6251

43.8383, 63.2766,
14.5477


56.8522, 69.4198,
40.7154


41.6096, 62.1859,
11.8088


61.2611, 71.4543,
51.6921


39.7245, 61.2464,
10.2666


66.1764, 73.7064,
64.6534


 38.4813, 60.6173,
9.6721

 71.6173, 76.1841,
79.6910

 77.6023, 78.8950,
96.8907

 82.1713, 81.0552,
105.9221

 85.1893, 82.6111,
106.0633

 86.7605, 83.4210,
106.1368

Harmonies

Analogous

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



61.7302, 65.9660, 19.0562



49.4673, 65.9660, 24.3129



41.8010, 65.9660, 41.4397

Triad

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



49.4673, 65.9660, 24.3129



50.9211, 65.9660, 163.7055



93.6195, 65.9660, 69.0735

Complementary

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



49.4673, 65.9660, 24.3129



32.3673, 23.0453, 75.4191

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.



89.6074, 65.9660, 114.3042



49.4673, 65.9660, 24.3129



63.6773, 65.9660, 179.6532

Square

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



49.4673, 65.9660, 24.3129



42.5484, 65.9660, 121.0142



78.1012, 65.9660, 158.9239



88.3778, 65.9660, 38.1821

Rectangle

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



49.4673, 65.9660, 24.3129



39.6439, 65.9660, 61.7131



78.1012, 65.9660, 158.9239



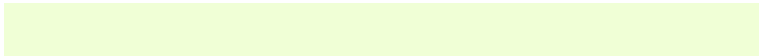
93.3070, 65.9660, 82.9869

Sweetspot

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



49.4689, 65.9689, 24.3143



83.7125, 94.8353, 77.6453



45.5567, 39.7535, 19.4604



17.6334, 20.1683, 15.8679



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.



49.4689, 65.9689, 24.3143



60.1069, 83.8361, 23.6862



38.4709, 60.2993, 23.7996



15.0459, 16.5307, 15.3022



22.5747, 35.4192, 5.6468



1.7706, 2.6701, 0.4221

Inverse Universe

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



32.3673, 23.0453, 75.4191



35.6219, 22.2669, 97.0282



46.1324, 30.1415, 76.0633



14.0954, 14.1514, 18.1329



10.4358, 4.4458, 42.6913



0.8717, 0.3804, 3.1594

Previews

White Background



This preview shows how the XYZ color 49.4673, 65.9660, 24.3129 looks on a white background.

Color Contrast Check

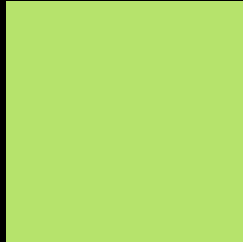
Large Text (above 18pt) WCAG AA × Fail

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 49.4673, 65.9660, 24.3129 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 49.4673, 65.9660, 24.3129

Background



This preview shows how black text looks on a background with the XYZ color 49.4673, 65.9660, 24.3129.

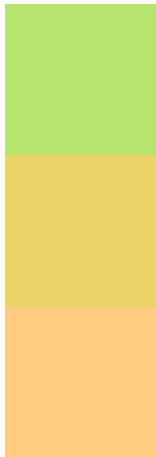


This preview shows how white text looks on a background with the XYZ color 49.4673, 65.9660,

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

49.4673, 65.9660, 24.3129

Protanopia

59.9233, 65.5587, 22.3278

Deuteranopia

66.4267, 65.5042, 29.2212



Tritanopia

61.7591, 65.8684, 85.0601

Trichromacy



Original Color

49.4673, 65.9660, 24.3129

Protanomaly

55.3870, 65.0927, 23.0095

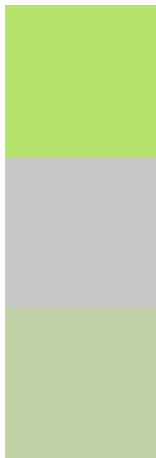
Deuteranomaly

58.9286, 64.9370, 27.1975

Tritanomaly

55.9327, 65.4147, 56.1327

Monochromacy



Original Color

49.4673, 65.9660, 24.3129

Achromatopsia

54.8990, 57.7580, 62.8985

Achromatomaly

52.0140, 60.2207, 45.4415

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.4673, 65.9660, 24.3129 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(182, 227, 108)` looks like.

```
.text, #text, p{  
    color:rgb(182, 227, 108)  
}
```

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(182, 227, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 227, 108) }
```

Border

The CSS property to change the border of an element to XYZ 49.4673, 65.9660, 24.3129 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(182, 227, 108) }
```


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

```
.border{ border-color:rgb(182, 227, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 227, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 227, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 227, 108);  
box-shadow:4px 4px 4px 4px rgb(182, 227,  
108) }
```

Background

The CSS property to change the background color of an element to XYZ 49.4673, 65.9660, 24.3129 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 227, 108) }
```

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

```
.background{ background-color: rgb(182,  
227, 108) }
```

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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