

Converting Colors

XYZ(49.4509, 65.9721, 22.7311)

Have a look what the booklet for
XYZ(49.4509, 65.9721, 22.7311)
contains.

XYZ(49.3958, 65.9648, 22.6994)	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(49.3958, 65.9648,
22.6994)**

Conversions

Conversions Part 1

Format	Color
Hex	B7E366
RGB	183, 227, 102
RGB Percent	72%, 89%, 40%
CMY	0.2824, 0.1098, 0.6000
CMYK	0.19, 0.00, 0.55, 0.11
HSL	81°, 69%, 65%
HSV	81°, 55%, 89%
XYZ	49.3958, 65.9648, 22.6994
YIQ	199.5940, 13.9010, -48.2030

Conversions

Conversions Part 2

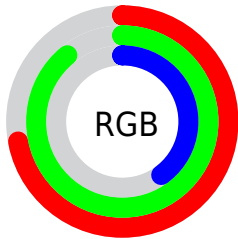
Format	Color
RYB	102, 227, 146
Decimal	12051302
CIELab	84.98, -33.26, 55.51
CIELCh	85, 64.711, 120.926
Yxy	65.9648, 0.3578, 0.4778
Android (android.graphics.Color)	4290241382 (0xFFB7E366)
YUV	199.5940, -48.1138, -14.5529
Hunter-Lab	81.2187, -33.5722, 40.2824

Details

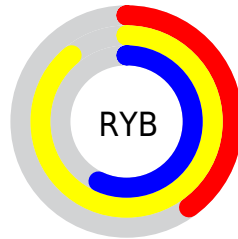
The XYZ color **49.3958, 65.9648, 22.6994** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **30.4733, 21.1616, 75.1554**, and the grayscale version is **54.9319, 57.7927, 62.9362**.

A 20% lighter version of the original color is **78.0364, 92.6211, 45.2172**, and **23.8488, 33.8512, 8.0733** is the 20% darker color. If you saturate the color by 10%, you get **46.5739, 64.6250, 17.4742**, and if you desaturate by 10%, it is **52.6370, 67.4894, 29.5556**.

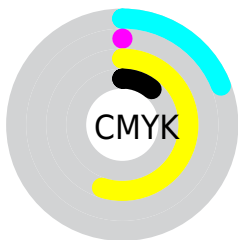
Distribution



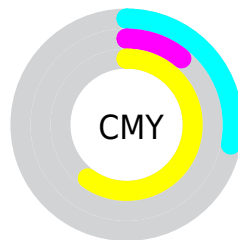
- Red (72%)
- Green (89%)
- Blue (40%)



- Red (40%)
- Yellow (89%)
- Blue (57%)



- Cyan (19%)
- Magenta (0%)
- Yellow (55%)
- Black (11%)





- Cyan (28%)
- Magenta (11%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.3958, 65.9648, 22.6994 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 49.3958, 65.9648, 22.6994 by changing the saturation by 10% instead.


 49.3958, 65.9648,
22.6994

 49.3958, 65.9648,
22.6994


374.7896,
446.2510, 279.2490


 35.1494, 48.2438,
14.1685


 88.4762, 113.4358,
48.8162


 23.9450, 34.0200,
8.0979


 114.0409,
143.9546, 67.2392

 15.4174, 22.9090,
4.0690


 144.1091,
179.5082, 89.7966

 9.2010, 14.5263,
1.6633

 179.0461,
220.4809, 116.9069

 4.9307, 8.4876,
0.3354

219.2173,
267.2571, 148.9888

 2.2410, 4.4085,
0.0000

264.9881,

 0.7642, 1.9046,

320.2213, 186.4608

0.0000

316.7237,
379.7578, 229.7413

■ 0.0000, 0.5511,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 49.3958, 65.9648,
22.6994

■ 49.3958, 65.9648,
22.6994

■ 46.5739, 64.6250,
17.4742

■ 52.6370, 67.4894,
29.5556

■ 44.1391, 63.4499,
13.7398


■ 56.3174, 69.2002,
38.1592


■ 42.0610, 62.4295,
11.3392


■ 60.4611, 71.1090,
48.6211

■ 40.3009, 61.5483,
10.0787

■ 65.0888, 73.2246,
61.0417


 39.5194, 61.1525,
9.7207

 70.2197, 75.5546,
75.5140

 75.8720, 78.1067,
92.1254

 81.0969, 80.5014,
105.8718

 83.8542, 81.9228,
106.0008

 86.7323, 83.4065,
106.1355

Harmonies

Analogous

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



62.2466, 65.9648, 17.8199



49.3958, 65.9648, 22.6994



41.2950, 65.9648, 39.5127

Triad

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



49.3958, 65.9648, 22.6994



50.0667, 65.9648, 167.0220



95.0209, 65.9648, 70.5375

Complementary

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



49.3958, 65.9648, 22.6994



30.4733, 21.1616, 75.1554

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.



90.4518, 65.9648, 118.1945



49.3958, 65.9648, 22.6994



63.1507, 65.9648, 185.3488

Square

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



49.3958, 65.9648, 22.6994



41.6382, 65.9648, 121.3477



78.1956, 65.9648, 164.7599



89.8759, 65.9648, 38.0262

Rectangle

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



49.3958, 65.9648, 22.6994



38.9388, 65.9648, 59.9200



78.1956, 65.9648, 164.7599



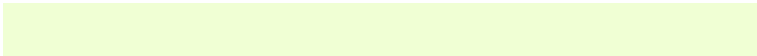
94.5648, 65.9648, 85.2096

Sweetspot

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



49.3974, 65.9677, 22.7008



83.4462, 94.7355, 75.9438



44.3197, 37.7732, 17.5263



17.5948, 20.1558, 15.5335



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.



49.3974, 65.9677, 22.7008



60.1685, 83.9057, 21.9769



37.7197, 59.9477, 22.1543



15.0834, 16.5501, 15.3040



23.1775, 35.7299, 5.6750



1.8125, 2.6917, 0.4240

Inverse Universe

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



30.4733, 21.1616, 75.1554



33.2788, 20.0942, 96.7323



44.7018, 28.4967, 75.8213



14.0591, 14.1327, 18.1312



10.1258, 4.2859, 42.6768



0.8461, 0.3672, 3.1582

Previews

White Background



This preview shows how the XYZ color 49.3958, 65.9648, 22.6994 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 49.3958, 65.9648, 22.6994 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 49.3958, 65.9648, 22.6994

Background



This preview shows how black text looks on a background with the XYZ color 49.3958, 65.9648, 22.6994.



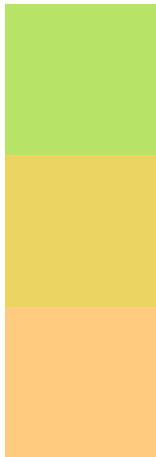
This preview shows how white text looks on a background with the XYZ color 49.3958, 65.9648,

22.6994.

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

49.3958, 65.9648, 22.6994

Protanopia

59.9621, 65.6122, 20.8133

Deuteranopia

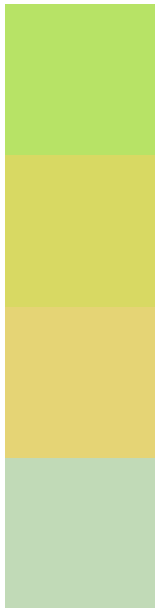
66.3618, 65.4782, 28.8796



Tritanopia

61.6304, 65.4438, 84.2466

Trichromacy



Original Color

49.3958, 65.9648, 22.6994

Protanomaly

55.3839, 65.1255, 21.4558

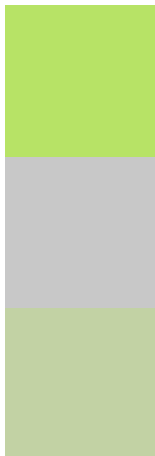
Deuteranomaly

59.0675, 65.0293, 26.2683

Tritanomaly

55.6110, 64.8992, 54.3955

Monochromacy



Original Color

49.3958, 65.9648, 22.6994

Achromatopsia

54.8990, 57.7580, 62.8985

Achromatomaly

51.9956, 60.2429, 44.0095

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.3958, 65.9648, 22.6994 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(183, 227, 102)` looks like.

```
.text, #text, p{  
    color:rgb(183, 227, 102)  
}
```

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(183, 227, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 227, 102) }
```

Border

The CSS property to change the border of an element to XYZ 49.3958, 65.9648, 22.6994 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(183, 227, 102) }
```


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

```
.border{ border-color:rgb(183, 227, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 227, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(183, 227, 102); -webkit-box-shadow:4px 4px 4px 4px rgb(183, 227, 102); box-shadow:4px 4px 4px 4px rgb(183, 227, 102) }
```

Background

The CSS property to change the background color of an element to XYZ 49.3958, 65.9648, 22.6994 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 227, 102) }
```

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

```
.background{ background-color: rgb(183,  
227, 102) }
```

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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