

Converting Colors

XYZ(50.0376, 66.8016, 23.1019)

Have a look what the booklet for
XYZ(50.0376, 66.8016, 23.1019)
contains.

XYZ(49.9587, 66.6564, 23.0648)	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(49.9587, 66.6564,
23.0648)**

Conversions

Conversions Part 1

Format	Color
Hex	B8E467
RGB	184, 228, 103
RGB Percent	72%, 89%, 40%
CMY	0.2784, 0.1059, 0.5961
CMYK	0.19, 0.00, 0.55, 0.11
HSL	81°, 70%, 65%
HSV	81°, 55%, 89%
XYZ	49.9587, 66.6564, 23.0648
YIQ	200.5940, 13.9010, -48.2030

Conversions

Conversions Part 2

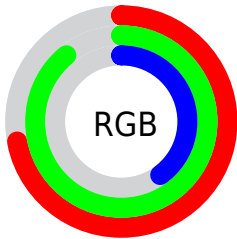
Format	Color
RYB	103, 228, 147
Decimal	12117095
CIELab	85.33, -33.25, 55.48
CIElCh	85, 64.685, 120.934
Yxy	66.6564, 0.3577, 0.4772
Android (android.graphics.Color)	4290307175 (0xFFB8E467)
YUV	200.5940, -48.1138, -14.5529
Hunter-Lab	81.6434, -33.6493, 40.4005

Details

The XYZ color **49.9587, 66.6564, 23.0648** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **30.8892, 21.5068, 75.9258**, and the grayscale version is **55.5497, 58.4427, 63.6441**.

A 20% lighter version of the original color is **78.4638, 92.8316, 45.6811**, and **24.2090, 34.3160, 8.2534** is the 20% darker color. If you saturate the color by 10%, you get **47.0987, 65.2989, 17.7504**, and if you desaturate by 10%, it is **53.2430, 68.2009, 30.0303**.

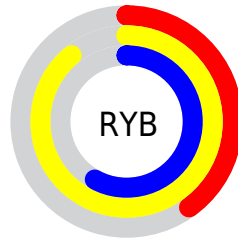
Distribution



Red (72%)

Green (89%)

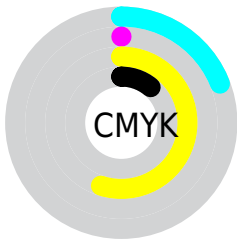
Blue (40%)



Red (40%)

Yellow (89%)

Blue (58%)

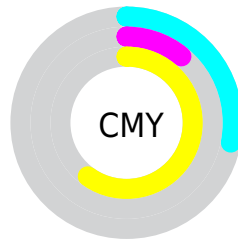


Cyan (19%)

Magenta (0%)

Yellow (55%)

Black (11%)



Cyan (28%)

Magenta (11%)

Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.9587, 66.6564, 23.0648 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 49.9587, 66.6564, 23.0648 by changing the saturation by 10% instead.

■ 49.9587, 66.6564,
23.0648

■ 49.9587, 66.6564,
23.0648

376.9591,
448.7207, 281.1903

■ 35.5982, 48.8054,
14.4356

■ 89.3059, 114.4279,
49.4243

■ 24.2927, 34.4652,
8.2821

■ 115.0233,
145.1173, 67.9916

■ 15.6768, 23.2512,
4.1856

■ 145.2571,
180.8549, 90.7087

■ 9.3852, 14.7791,
1.7277

■ 180.3726,
222.0252, 117.9942

■ 5.0524, 8.6645,
0.3796

220.7352,
269.0125, 150.2666

■ 2.3131, 4.5230,
0.0000

266.7103,

■ 0.8014, 1.9702,

322.2013, 187.9444

0.0000

318.6631,
381.9759, 231.4461

0.0000, 0.5901,
0.0000

0.0000, 0.0000,
0.0000

49.9587, 66.6564,
23.0648

49.9587, 66.6564,
23.0648

47.0987, 65.2989,
17.7504

53.2430, 68.2009,
30.0303

44.6305, 64.1081,
13.9456


56.9717, 69.9337,
38.7643


42.5235, 63.0740,
11.4926


61.1691, 71.8669,
49.3785


40.7389, 62.1808,
10.1964


65.8559, 74.0091,
61.9743


 39.9103, 61.7612,
9.8176

 71.0518, 76.3684,
76.6455

 76.7749, 78.9521,
93.4803

 81.7934, 81.2676,
105.9830

 84.5819, 82.7052,
106.1135

 87.0349, 83.9697,
106.2283

Harmonies

Analogous

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



62.8970, 66.6564, 18.1305



49.9587, 66.6564, 23.0648



41.7988, 66.6564, 40.0357

Triad

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



49.9587, 66.6564, 23.0648



50.6403, 66.6564, 168.3034



95.8731, 66.6564, 71.2710

Complementary

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



49.9587, 66.6564, 23.0648



30.8892, 21.5068, 75.9258

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.



91.2808, 66.6564, 119.2082



49.9587, 66.6564, 23.0648



63.8150, 66.6564, 186.7040

Square

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



49.9587, 66.6564, 23.0648



42.1476, 66.6564, 122.4058



78.9543, 66.6564, 166.0110



90.6966, 66.6564, 38.5238

Rectangle

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



49.9587, 66.6564, 23.0648



39.4251, 66.6564, 60.6018



78.9543, 66.6564, 166.0110



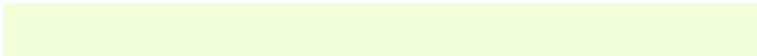
95.4153, 66.6564, 86.0353

Sweetspot

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



49.9603, 66.6594, 23.0662



84.0749, 95.0222, 77.6622



44.8405, 38.2652, 17.8554



17.7200, 20.2130, 15.8720



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.



49.9603, 66.6594, 23.0662



60.1685, 83.9057, 21.9769



38.1844, 60.5887, 22.5151



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.



30.8892, 21.5068, 75.9258



33.2788, 20.0942, 96.7323



45.2216, 28.8954, 76.5966



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 49.9587, 66.6564, 23.0648 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 49.9587, 66.6564, 23.0648 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 49.9587, 66.6564, 23.0648

Background



This preview shows how black text looks on a background with the XYZ color 49.9587, 66.6564, 23.0648.



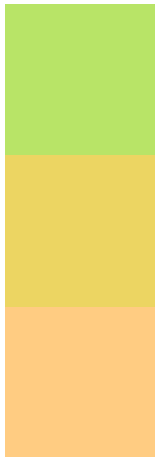
This preview shows how white text looks on a background with the XYZ color 49.9587, 66.6564,

23.0648.

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

49.9587, 66.6564, 23.0648

Protanopia

60.5909, 66.3032, 21.1596

Deuteranopia

66.8621, 66.0574, 30.3454



Tritanopia

62.2898, 66.1420, 85.0850

Trichromacy



Original Color

49.9587, 66.6564, 23.0648

Protanomaly

55.9869, 65.8146, 21.8093

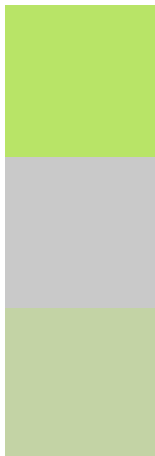
Deuteranomaly

59.4975, 65.6026, 27.2960

Tritanomaly

56.2314, 65.5931, 55.0444

Monochromacy



Original Color

49.9587, 66.6564, 23.0648

Achromatopsia

55.5167, 58.4078, 63.6061

Achromatomaly

52.5915, 60.9072, 44.5817

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.9587, 66.6564, 23.0648 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(184, 228, 103)` looks like.

```
.text, #text, p{  
    color:rgb(184, 228, 103)  
}
```

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(184, 228, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 228, 103) }
```

Border

The CSS property to change the border of an element to XYZ 49.9587, 66.6564, 23.0648 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(184, 228, 103) }
```


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

```
.border{ border-color:rgb(184, 228, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 228, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 228, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 228, 103);  
box-shadow:4px 4px 4px 4px rgb(184, 228,  
103) }
```

Background

The CSS property to change the background color of an element to XYZ 49.9587, 66.6564, 23.0648 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 228, 103) }
```

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

```
.background{ background-color: rgb(184,  
228, 103) }
```

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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