

Converting Colors

XYZ(50.9022, 67.1954, 23.5621)

Have a look what the booklet for
XYZ(50.9022, 67.1954, 23.5621)
contains.

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Color

**XYZ(50.7867, 67.0715,
23.6340)**

Conversions

Conversions Part 1

Format	Color
Hex	BBE469
RGB	187, 228, 105
RGB Percent	73%, 89%, 41%
CMY	0.2667, 0.1059, 0.5882
CMYK	0.18, 0.00, 0.54, 0.11
HSL	80°, 69%, 65%
HSV	80°, 54%, 89%
XYZ	50.7867, 67.0715, 23.6340
YIQ	201.7190, 15.0470, -46.9450

Conversions

Conversions Part 2

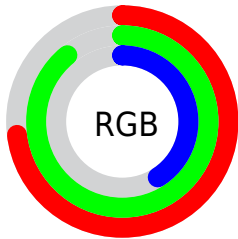
Format	Color
RYB	105, 228, 146
Decimal	12313705
CIELab	85.54, -31.94, 54.87
CIElCh	86, 63.492, 120.202
Yxy	67.0715, 0.3589, 0.4740
Android (android.graphics.Color)	4290503785 (0xFFBBE469)
YUV	201.7190, -47.6825, -12.9086
Hunter-Lab	81.8972, -32.6273, 40.2180

Details

The XYZ color **50.7867, 67.0715, 23.6340** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **30.9120, 21.8175, 75.9846**, and the grayscale version is **56.2466, 59.1758, 64.4424**.

A 20% lighter version of the original color is **79.6742, 93.4357, 46.6365**, and **24.7101, 34.5694, 8.5022** is the 20% darker color. If you saturate the color by 10%, you get **47.9583, 65.7333, 18.1834**, and if you desaturate by 10%, it is **54.0309, 68.5921, 30.7464**.

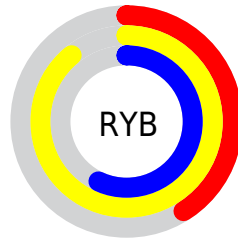
Distribution



Red (73%)

Green (89%)

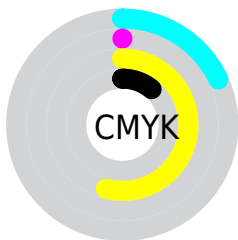
Blue (41%)



Red (41%)

Yellow (89%)

Blue (57%)

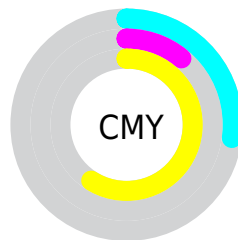


Cyan (18%)

Magenta (0%)

Yellow (54%)

Black (11%)



Cyan (27%)

Magenta (11%)


Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.7867, 67.0715, 23.6340 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 50.7867, 67.0715, 23.6340 by changing the saturation by 10% instead.


 50.7867, 67.0715,
23.6340


 50.7867, 67.0715,
23.6340


380.1358,
450.1992, 284.1916


 36.2592, 49.1427,
14.8527


 90.5243, 115.0229,
50.3686


 24.8055, 34.7327,
8.5706


 116.4651,
145.8142, 69.1589

 16.0602, 23.4571,
4.3692


 146.9411,
181.6619, 92.1227

 9.6579, 14.9314,
1.8300

 182.3176,
222.9504, 119.6784

 5.2332, 8.7712,
0.4476

222.9599,
270.0639, 152.2446

 2.4209, 4.5923,
0.0000

269.2335,

 0.8555, 2.0101,

323.3870, 190.2398

0.0000

321.5037,
383.3040, 234.0826

0.0000, 0.6133,
0.0000

0.0000, 0.0000,
0.0000

50.7867, 67.0715,
23.6340

50.7867, 67.0715,
23.6340

47.9583, 65.7333,
18.1834

54.0309, 68.5921,
30.7464

45.5136, 64.5574,
14.2546


57.7105, 70.2960,
39.6369


43.4230, 63.5342,
11.6924


61.8493, 72.1953,
50.4164


41.6486, 62.6484,
10.3057

66.4677, 74.2983,
63.1852

 40.6927, 62.1646,
9.8542

 71.5849, 76.6129,
78.0370

 77.2188, 79.1464,
95.0593

 81.8005, 81.2713,
105.9833

 84.4384, 82.6312,
106.1068

 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.



63.6518, 67.0715, 18.9061



50.7867, 67.0715, 23.6340



42.5775, 67.0715, 40.2328

Triad

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



50.7867, 67.0715, 23.6340



50.9323, 67.0715, 165.9563



95.7123, 67.0715, 72.7499

Complementary

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



50.7867, 67.0715, 23.6340



30.9120, 21.8175, 75.9846

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.



90.9830, 67.0715, 120.0587



50.7867, 67.0715, 23.6340



63.8472, 67.0715, 184.7844

Square

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



50.7867, 67.0715, 23.6340



42.6522, 67.0715, 120.7353



78.7492, 67.0715, 165.4729



90.8591, 67.0715, 39.9079

Rectangle

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



50.7867, 67.0715, 23.6340



40.1323, 67.0715, 60.3252



78.7492, 67.0715, 165.4729



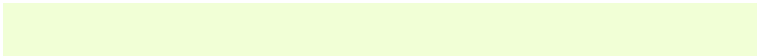
95.1829, 67.0715, 87.4028

Sweetspot

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



50.7883, 67.0745, 23.6354



84.3349, 95.1562, 77.6744



44.8261, 38.0739, 18.3520



17.7822, 20.2450, 15.8749



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.



50.7883, 67.0745, 23.6354



61.3246, 84.4895, 22.5823



38.8261, 60.9077, 23.0756



15.1103, 16.5639, 15.3052



23.6268, 35.9616, 5.6960



1.8434, 2.7077, 0.4255

Inverse Universe

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



30.9120, 21.8175, 75.9846



33.2335, 20.3815, 96.7902



44.9297, 29.0439, 76.6406



14.0333, 14.1194, 18.1300



9.9200, 4.1799, 42.6671



0.8287, 0.3582, 3.1574

Previews

White Background



This preview shows how the XYZ color 50.7867, 67.0715, 23.6340 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 50.7867, 67.0715, 23.6340 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 50.7867, 67.0715, 23.6340

Background



This preview shows how black text looks on a background with the XYZ color 50.7867, 67.0715, 23.6340.

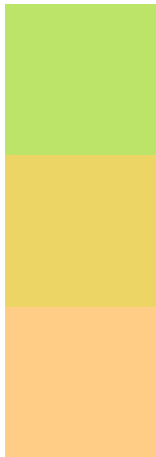


This preview shows how white text looks on a background with the XYZ color 50.7867, 67.0715,

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

50.7867, 67.0715, 23.6340

Protanopia

60.6866, 66.3415, 21.6633

Deuteranopia

67.3050, 66.6161, 31.5011



Tritanopia

63.0990, 66.5592, 85.1228

Trichromacy



Original Color

50.7867, 67.0715, 23.6340

Protanomaly

56.3831, 66.0075, 22.3394

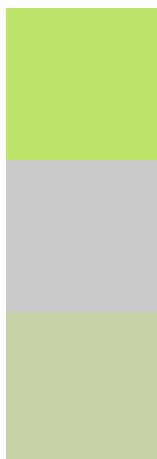
Deuteranomaly

60.0025, 65.8416, 28.2851

Tritanomaly

57.1144, 66.0361, 55.6349

Monochromacy



Original Color

50.7867, 67.0715, 23.6340

Achromatopsia

56.1383, 59.0619, 64.3184

Achromatomaly

53.2953, 61.2489, 45.5725

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.7867, 67.0715, 23.6340 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(187, 228, 105)` looks like.

```
.text, #text, p{  
    color:rgb(187, 228, 105)  
}
```

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(187, 228, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 228, 105) }
```

Border

The CSS property to change the border of an element to XYZ 50.7867, 67.0715, 23.6340 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(187, 228, 105) }
```


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

```
.border{ border-color:rgb(187, 228, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 228, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 228, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 228, 105);  
box-shadow:4px 4px 4px 4px rgb(187, 228,  
105) }
```

Background

The CSS property to change the background color of an element to XYZ 50.7867, 67.0715, 23.6340 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 228, 105) }
```

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

```
.background{ background-color: rgb(187,  
228, 105) }
```

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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