

Converting Colors

XYZ(50.2907, 64.3140, 24.7895)

Have a look what the booklet for
XYZ(50.2907, 64.3140, 24.7895)
contains.

XYZ(50.2257, 64.3374, 24.8101)	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(50.2257, 64.3374,
24.8101)**

Conversions

Conversions Part 1

Format	Color
Hex	BEDE6F
RGB	190, 222, 111
RGB Percent	75%, 87%, 44%
CMY	0.2549, 0.1294, 0.5647
CMYK	0.14, 0.00, 0.50, 0.13
HSL	77°, 63%, 65%
HSV	77°, 50%, 87%
XYZ	50.2257, 64.3374, 24.8101
YIQ	199.7780, 16.5590, -41.3050

Conversions

Conversions Part 2

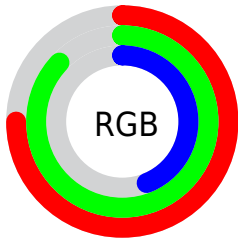
Format	Color
RYB	111, 222, 143
Decimal	12508783
CIELab	84.14, -27.41, 50.50
CIELCh	84, 57.459, 118.491
Yxy	64.3374, 0.3604, 0.4616
Android (android.graphics.Color)	4290698863 (0xFFBEDE6F)
YUV	199.7780, -43.7676, -8.5753
Hunter-Lab	80.2106, -28.5967, 37.8083

Details

The XYZ color **50.2257, 64.3374, 24.8101** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **30.1995, 22.4842, 71.8592**, and the grayscale version is **55.0182, 57.8834, 63.0350**.

A 20% lighter version of the original color is **81.2629, 94.1931, 49.4954**, and **24.4396, 33.0215, 9.2234** is the 20% darker color. If you saturate the color by 10%, you get **47.5887, 63.1042, 19.0799**, and if you desaturate by 10%, it is **53.2398, 65.7341, 32.1460**.

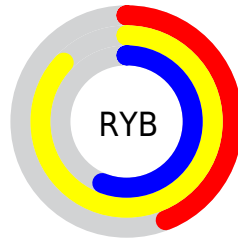
Distribution



Red (75%)

Green (87%)

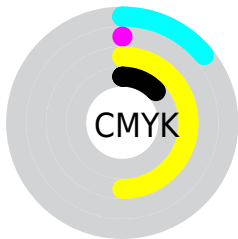
Blue (44%)



Red (44%)

Yellow (87%)

Blue (56%)

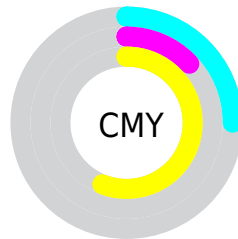


Cyan (14%)

Magenta (0%)

Yellow (50%)

Black (13%)



Cyan (25%)


Magenta (13%)


Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.2257, 64.3374, 24.8101 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 50.2257, 64.3374, 24.8101 by changing the saturation by 10% instead.


 50.2257, 64.3374,
24.8101


 50.2257, 64.3374,
24.8101


377.9853,
440.4070, 290.3082

 35.8113, 46.9240,
15.7179


 89.6990, 111.0967,
52.3093


 24.4579, 32.9756,
9.1726


 115.4886,
141.2114, 71.5533

 15.8002, 22.1077,
4.7556

 145.8007,
176.3287, 95.0184

 9.4729, 13.9361,
2.0483

 181.0006,
216.8329, 123.1231

 5.1104, 8.0762,
0.5848

221.4536,
263.1084, 156.2858

 2.3476, 4.1438,
0.0000

267.5252,

 0.8189, 1.7543,

315.5397, 194.9253

0.0000

319.5807,
374.5111, 239.4599

0.0000, 0.4584,
0.0000

0.0000, 0.0000,
0.0000

50.2257, 64.3374,
24.8101

50.2257, 64.3374,
24.8101

47.5887, 63.1042,
19.0799

53.2398, 65.7341,
32.1460

45.3004, 62.0162,
14.8305


56.6478, 67.2943,
41.1920


43.3352, 61.0653,
11.9254


60.4709, 69.0288,
52.0484


41.6610, 60.2387,
10.2007


64.7274, 70.9451,
64.8066


 40.2221, 59.5139,
9.3674

 69.4341, 73.0501,
79.5518

 40.2221, 59.5139,
9.3674

 74.6072, 75.3501,
96.3641

 78.3702, 77.0948,
105.3580

 80.5197, 78.2029,
105.4586

 82.7459, 79.3506,
105.5628

Harmonies

Analogous

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



61.7960, 64.3374, 20.8179



50.2257, 64.3374, 24.8101



42.6043, 64.3374, 39.4894

Triad

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



50.2257, 64.3374, 24.8101



49.2552, 64.3374, 148.1965



88.9553, 64.3374, 71.9102

Complementary

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



50.2257, 64.3374, 24.8101



30.1995, 22.4842, 71.8592

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.



84.4229, 64.3374, 113.3302



50.2257, 64.3374, 24.8101



60.5100, 64.3374, 165.8044

Square

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



50.2257, 64.3374, 24.8101



42.1010, 64.3374, 108.9912



73.5553, 64.3374, 151.2520



85.2226, 64.3374, 41.7062

Rectangle

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



50.2257, 64.3374, 24.8101



40.2070, 64.3374, 57.0045



73.5553, 64.3374, 151.2520



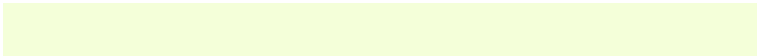
88.3373, 64.3374, 84.9535

Sweetspot

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



50.2273, 64.3403, 24.8115



85.5501, 95.7447, 79.4469



42.7359, 36.1595, 19.7669



18.0496, 20.3754, 16.2252



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.



50.2273, 64.3403, 24.8115



64.9893, 86.3112, 25.8048



38.9924, 58.5485, 24.2857



14.4666, 15.8207, 14.5980



24.0048, 35.4075, 5.5691



1.7511, 2.4992, 0.3901

Inverse Universe

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



30.1995, 22.4842, 71.8592



34.6759, 22.8443, 97.1895



42.1471, 28.6434, 72.4183



13.3214, 13.4337, 17.2785



9.1833, 3.8295, 41.3035



0.7235, 0.3103, 2.8670

Previews

White Background



This preview shows how the XYZ color 50.2257, 64.3374, 24.8101 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 50.2257, 64.3374, 24.8101 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 50.2257, 64.3374, 24.8101

Background



This preview shows how black text looks on a background with the XYZ color 50.2257, 64.3374, 24.8101.

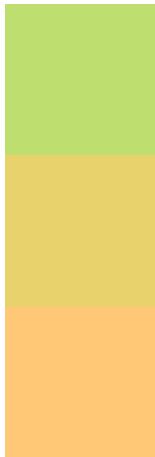


This preview shows how white text looks on a background with the XYZ color 50.2257, 64.3374,

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

50.2257, 64.3374, 24.8101

Protanopia

58.6554, 64.1436, 23.1994

Deuteranopia

65.2241, 63.9005, 26.3491



Tritanopia

61.4298, 63.9293, 81.0534

Trichromacy



Original Color

50.2257, 64.3374, 24.8101

Protanomaly

55.0722, 63.7748, 23.5945

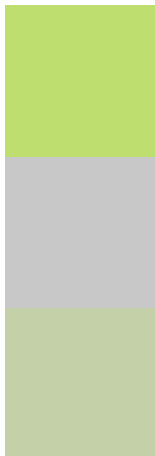
Deuteranomaly

58.6633, 63.3616, 25.6611

Tritanomaly

56.2515, 63.6959, 54.6772

Monochromacy



Original Color

50.2257, 64.3374, 24.8101

Achromatopsia

54.8990, 57.7580, 62.8985

Achromatomaly

52.3887, 59.6747, 45.8030

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.2257, 64.3374, 24.8101 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(190, 222, 111)` looks like.

```
.text, #text, p{  
    color:rgb(190, 222, 111)  
}
```

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(190, 222, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 222, 111) }
```

Border

The CSS property to change the border of an element to XYZ 50.2257, 64.3374, 24.8101 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(190, 222, 111) }
```


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

```
.border{ border-color:rgb(190, 222, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 222, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 222, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 222, 111);  
box-shadow:4px 4px 4px 4px rgb(190, 222,  
111) }
```

Background

The CSS property to change the background color of an element to XYZ 50.2257, 64.3374, 24.8101 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 222, 111) }
```

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

```
.background{ background-color: rgb(190,  
222, 111) }
```

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