

Converting Colors

XYZ(51.2566, 64.4548, 40.8799)

Have a look what the booklet for
XYZ(51.2566, 64.4548, 40.8799)
contains.

XYZ(51.3291, 64.5542, 40.7652) 3

***Conversions* 4**

***Details* 6**

***Harmonies* 12**

***Previews* 24**

***Color Blindness Simulation* 28**

***CSS Examples* 31**

Color

**XYZ(51.3291, 64.5542,
40.7652)**

Conversions

Conversions Part 1	
Format	Color
Hex	B6DE9B
RGB	182, 222, 155
RGB Percent	71%, 87%, 61%
CMY	0.2863, 0.1294, 0.3921
CMYK	0.18, 0.00, 0.30, 0.13
HSL	96°, 50%, 74%
HSV	96°, 30%, 87%
XYZ	51.3291, 64.5542, 40.7652
YIQ	202.4020, -2.3330, -29.3170

Conversions

Conversions Part 2

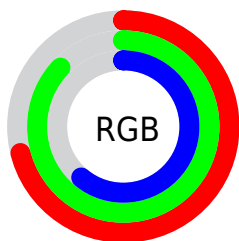
Format	Color
RYB	155, 222, 195
Decimal	11984539
CIELab	84.25, -24.95, 28.70
CIELCh	84, 38.035, 131.003
Yxy	64.5542, 0.3277, 0.4121
Android (android.graphics.Color)	4290174619 (0xFFB6DE9B)
YUV	202.4020, -23.3692, -17.8926
Hunter-Lab	80.3456, -26.5695, 26.1598

Details

The XYZ color **51.3291, 64.5542, 40.7652** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **47.4145, 40.3205, 74.3944**, and the grayscale version is **56.5342, 59.4784, 64.7719**.

A 20% lighter version of the original color is **82.9895, 94.5239, 74.8437**, and **25.1690, 33.2059, 17.9148** is the 20% darker color. If you saturate the color by 10%, you get **46.6503, 62.3401, 31.6926**, and if you desaturate by 10%, it is **56.6504, 67.0638, 51.6597**.

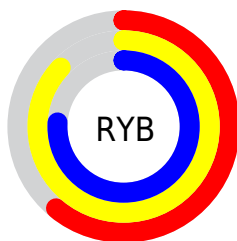
Distribution



Red (71%)

Green (87%)

Blue (61%)



Red (61%)

Yellow (87%)

Blue (76%)

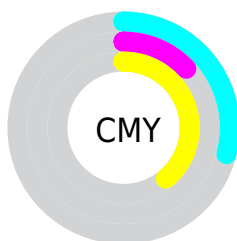


Cyan (18%)

Magenta (0%)

Yellow (30%)

Black (13%)



Cyan (29%)

Magenta (13%)


Yellow (39%)


Brightness & Saturation

Gradients


These gradients show how the XYZ color 51.3291, 64.5542, 40.7652 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 51.3291, 64.5542, 40.7652 by changing the saturation by 10% instead.


 51.3291, 64.5542,
40.7652


 51.3291, 64.5542,
40.7652


382.2077,
441.1882, 364.9859

 36.6927, 47.0997,
27.8173


 91.3212, 111.4087,
77.5771

 25.1422, 33.1145,
17.9502


 117.4075,
141.5775, 102.2783

 16.3123, 22.2142,
10.7451


148.0412,
176.7531, 131.7343

 9.8377, 14.0143,
5.7837

183.5877,
217.3200, 166.3637

 5.3529, 8.1306,
2.6474

224.4122,
263.6626, 206.5850

 2.4927, 4.1787,
0.9168


270.8801,


 0.8916, 1.7740,


316.1652, 252.8167


0.0000


323.3568,
375.2123, 305.4775


 0.0000, 0.4709,
0.0000


 0.0000, 0.0000,
0.0000


 51.3291, 64.5542,
40.7652


 51.3291, 64.5542,
40.7652


 46.6503, 62.3401,
31.6926


 56.6504, 67.0638,
51.6597


 42.5819, 60.4014,
24.3384

 62.6345, 69.8715,
64.4639

 39.0966, 58.7281,
18.5948

 69.3067, 72.9904,
79.2647

 36.1623, 57.3066,
14.3406

 76.6896, 76.4305,
96.1427

■ 33.7434, 56.1213,
11.4369

■ 82.9816, 79.4720,
105.5738

■ 31.7986, 55.1548,
9.7189

■ 85.4126, 80.7252,
105.6875

■ 30.2864, 54.3917,
8.9024

Harmonies

Analogous

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



58.3162, 64.5542, 33.8717



51.3291, 64.5542, 40.7652



47.2774, 64.5542, 56.2410

Triad

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



51.3291, 64.5542, 40.7652



56.2328, 64.5542, 123.9221



78.6739, 64.5542, 61.7991

Complementary

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



51.3291, 64.5542, 40.7652



47.4145, 40.3205, 74.3944

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.



77.9861, 64.5542, 86.4997



51.3291, 64.5542, 40.7652



64.5014, 64.5542, 126.3812

Square

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



51.3291, 64.5542, 40.7652



49.9243, 64.5542, 105.3380



72.6123, 64.5542, 111.4415



74.4136, 64.5542, 44.0293

Rectangle

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



51.3291, 64.5542, 40.7652



46.5417, 64.5542, 71.1042



72.6123, 64.5542, 111.4415



79.0231, 64.5542, 69.4791

Sweetspot

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



51.3308, 64.5570, 40.7666



86.7099, 96.1022, 90.3607



55.3535, 56.5194, 39.0032



18.2867, 20.4421, 18.7453



0.0000, 0.0000, 0.0000



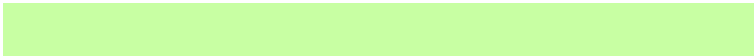
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



51.3308, 64.5570, 40.7666



66.2592, 86.4771, 47.9439



46.0371, 61.7726, 43.0239



14.0490, 15.6054, 14.5785



18.1066, 32.3668, 5.2931



1.3543, 2.2947, 0.3715

Inverse Universe

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



47.4145, 40.3205, 74.3944



60.0990, 48.3923, 100.7808



54.2967, 43.9535, 70.8739



13.7329, 13.6458, 17.2978



13.6632, 6.1390, 41.5132



1.0475, 0.4773, 2.8822

Previews

White Background



This preview shows how the XYZ color 51.3291, 64.5542, 40.7652 looks on a white background.

Color Contrast Check

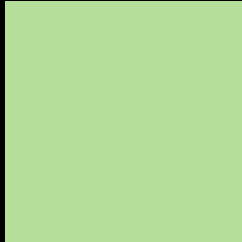
Large Text (above 18pt) WCAG AA × Fail

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 51.3291, 64.5542, 40.7652 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 51.3291, 64.5542, 40.7652

Background



This preview shows how black text looks on a background with the XYZ color 51.3291, 64.5542, 40.7652.



This preview shows how white text looks on a background with the XYZ color 51.3291, 64.5542,

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

51.3291, 64.5542, 40.7652

Protanopia

59.6695, 63.9717, 38.0570

Deuteranopia

65.5024, 64.0506, 41.7115




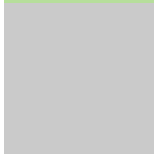

Tritanopia

59.9294, 64.5831, 83.4359

Trichromacy

	Original Color 51.3291, 64.5542, 40.7652
	Protanomaly 56.2924, 64.0618, 39.1040
	Deuteranomaly 59.4034, 63.7575, 41.5233
	Tritanomaly 56.2028, 64.1948, 65.3058

Monochromacy

	Original Color 51.3291, 64.5542, 40.7652
	Achromatopsia 56.1383, 59.0619, 64.3184
	Achromatomaly 54.0631, 60.7058, 54.7669

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.3291, 64.5542, 40.7652 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, 222, 155)` looks like.

```
.text, #text, p{  
    color:rgb(182, 222, 155)  
}
```

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, 222, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 222, 155) }
```

Border

The CSS property to change the border of an element to XYZ 51.3291, 64.5542, 40.7652 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, 222, 155) }
```


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

```
.border{ border-color:rgb(182, 222, 155) }
```

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

Here you see how a box with a 4 pixel rgb(182, 222, 155) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 222, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 222, 155);  
box-shadow:4px 4px 4px 4px rgb(182, 222,  
155) }
```

Background

The CSS property to change the background color of an element to XYZ 51.3291, 64.5542, 40.7652 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 222, 155) }
```

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

```
.background{ background-color: rgb(182,  
222, 155) }
```

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