

Converting Colors

XYZ(47.1653, 61.4031, 32.6328)

Have a look what the booklet for
XYZ(47.1653, 61.4031, 32.6328)
contains.

XYZ(47.2310, 61.4393, 32.6622)	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(47.2310, 61.4393,
32.6622)**

Conversions

Conversions Part 1

Format	Color
Hex	AEDB88
RGB	174, 219, 136
RGB Percent	68%, 86%, 53%
CMY	0.3176, 0.1412, 0.4667
CMYK	0.21, 0.00, 0.38, 0.14
HSL	93°, 54%, 70%
HSV	93°, 38%, 86%
XYZ	47.2310, 61.4393, 32.6622
YIQ	196.0830, -0.1770, -35.3530

Conversions

Conversions Part 2

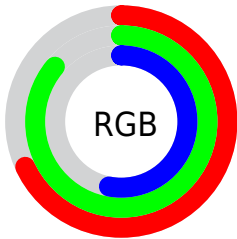
Format	Color
RYB	136, 219, 181
Decimal	11459464
CIELab	82.61, -29.03, 36.14
CIElCh	83, 46.355, 128.770
Yxy	61.4393, 0.3342, 0.4347
Android (android.graphics.Color)	4289649544 (0xFFAEDB88)
YUV	196.0830, -29.6209, -19.3668
Hunter-Lab	78.3832, -29.6128, 30.1622

Details

The XYZ color **47.2310, 61.4393, 32.6622** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **40.6491, 32.5484, 71.1613**, and the grayscale version is **52.6928, 55.4369, 60.3708**.

A 20% lighter version of the original color is **78.0093, 92.2266, 62.4052**, and **22.6609, 31.1999, 13.4222** is the 20% darker color. If you saturate the color by 10%, you get **43.3017, 59.5774, 25.1674**, and if you desaturate by 10%, it is **51.7153, 63.5544, 41.8455**.

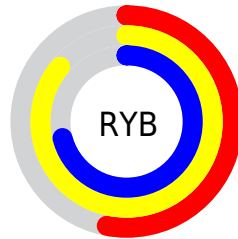
Distribution



Red (68%)

Green (86%)

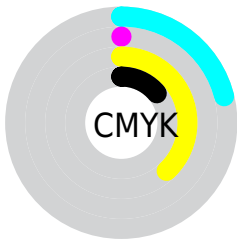
Blue (53%)



Red (53%)

Yellow (86%)

Blue (71%)

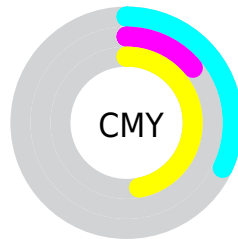


Cyan (21%)

Magenta (0%)

Yellow (38%)

Black (14%)



Cyan (32%)


Magenta (14%)


Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.2310, 61.4393, 32.6622 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 47.2310, 61.4393, 32.6622 by changing the saturation by 10% instead.

 47.2310, 61.4393,
32.6622

 47.2310, 61.4393,
32.6622


366.3694,
429.8829, 328.7100


 33.4270, 44.5798,
21.5988


 85.2750, 106.9148,
64.9577

 22.6146, 31.1266,
13.3669


 110.2457,
136.2995, 87.0269

 14.4283, 20.6953,
7.5480


 139.6693,
170.6281, 113.6017

 8.5028, 12.9014,
3.7235

173.9113,
210.2849, 145.1008

 4.4728, 7.3607,
1.4749

213.3369,
255.6545, 181.9426

 1.9730, 3.6887,
0.1991

258.3116,

 0.6187, 1.5010,

307.1210, 224.5458

0.0000

309.2006,
365.0690, 273.3287

■ 0.0000, 0.2894,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 47.2310, 61.4393,
32.6622

■ 47.2310, 61.4393,
32.6622

■ 43.3017, 59.5774,
25.1674

■ 51.7153, 63.5544,
41.8455

■ 39.8973, 57.9497,
19.2541


■ 56.7738, 65.9247,
52.8075


■ 36.9914, 56.5471,
14.8093


■ 62.4299, 68.5624,
65.6370


■ 34.5530, 55.3562,
11.7035


■ 68.7047, 71.4766,
80.4153


 32.5462, 54.3621,
9.7844

 75.6178, 74.6757,
97.2193

 30.9232, 53.5447,
8.8374

 81.1256, 77.3428,
105.2606

 30.6170, 53.3897,
8.6916

 84.6228, 79.1456,
105.4243

Harmonies

Analogous

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



55.5315, 61.4393, 26.0827



47.2310, 61.4393, 32.6622



42.3365, 61.4393, 48.9751

Triad

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



47.2310, 61.4393, 32.6622



51.7475, 61.4393, 131.9593



79.3864, 61.4393, 58.8966

Complementary

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



47.2310, 61.4393, 32.6622



40.6491, 32.5484, 71.1613

Split Complementary

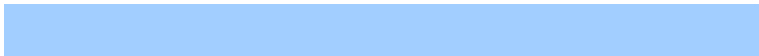
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.0766, 61.4393, 88.7311



47.2310, 61.4393, 32.6622



61.3578, 61.4393, 136.8532

Square

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



47.2310, 61.4393, 32.6622



44.7311, 61.4393, 107.3422



71.1954, 61.4393, 119.2682



74.5945, 61.4393, 38.1507

Rectangle

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



47.2310, 61.4393, 32.6622



41.3022, 61.4393, 65.7291



71.1954, 61.4393, 119.2682



79.6554, 61.4393, 68.0786

Sweetspot

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



47.2325, 61.4420, 32.6635



85.4825, 95.5520, 86.5748



50.0349, 49.5903, 30.2282



18.0603, 20.3418, 17.9918



0.0000, 0.0000, 0.0000



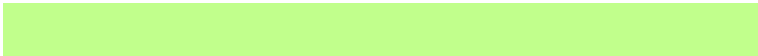
20.3446, 21.4041, 23.3091

Same Dimension

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



47.2325, 61.4420, 32.6635



62.4487, 84.7296, 37.9708



40.1299, 57.7574, 33.3710



13.4500, 14.8967, 13.8920



18.2766, 31.7194, 5.1592



1.2826, 2.1058, 0.3389

Inverse Universe

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



40.6491, 32.5484, 71.1613



51.9487, 38.6713, 99.3341



50.4449, 37.6400, 69.7339



13.0099, 12.9632, 16.4686



12.1996, 5.4133, 40.1403



0.8893, 0.4017, 2.6051

Previews

White Background



This preview shows how the XYZ color 47.2310, 61.4393, 32.6622 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 47.2310, 61.4393, 32.6622 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 47.2310, 61.4393, 32.6622

Background



This preview shows how black text looks on a background with the XYZ color 47.2310, 61.4393, 32.6622.



This preview shows how white text looks on a background with the XYZ color 47.2310, 61.4393,

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

47.2310, 61.4393, 32.6622

Protanopia

56.2920, 60.9623, 29.9191

Deuteranopia

62.2038, 60.8154, 33.6594



Tritanopia

56.6400, 61.1128, 80.0449

Trichromacy



Original Color

47.2310, 61.4393, 32.6622

Protanomaly

52.3883, 60.7383, 30.7923

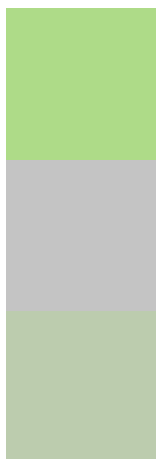
Deuteranomaly

55.4665, 60.1099, 33.1051

Tritanomaly

52.4605, 60.8823, 59.4386

Monochromacy



Original Color

47.2310, 61.4393, 32.6622

Achromatopsia

52.4687, 55.2011, 60.1140

Achromatomaly

49.9719, 56.9331, 48.3998

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.2310, 61.4393, 32.6622 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(174, 219, 136)` looks like.

```
.text, #text, p{  
    color:rgb(174, 219, 136)  
}
```

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(174, 219, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 219, 136) }
```

Border

The CSS property to change the border of an element to XYZ 47.2310, 61.4393, 32.6622 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(174, 219, 136) }
```


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

```
.border{ border-color:rgb(174, 219, 136) }
```

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

Here you see how a box with a 4 pixel rgb(174, 219, 136) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 219, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 219, 136);  
box-shadow:4px 4px 4px 4px rgb(174, 219,  
136) }
```

Background

The CSS property to change the background color of an element to XYZ 47.2310, 61.4393, 32.6622 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 219, 136) }
```

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

```
.background{ background-color: rgb(174,  
219, 136) }
```

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