

Converting Colors

XYZ(49.2312, 62.2598, 24.7518)

Have a look what the booklet for
XYZ(49.2312, 62.2598, 24.7518)
contains.

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Color

**XYZ(49.2312, 62.2598,
24.7518)**

Conversions

Conversions Part 1

Format	Color
Hex	BEDA70
RGB	190, 218, 112
RGB Percent	75%, 85%, 44%
CMY	0.2549, 0.1451, 0.5608
CMYK	0.13, 0.00, 0.49, 0.15
HSL	76°, 59%, 65%
HSV	76°, 49%, 85%
XYZ	49.2312, 62.2598, 24.7518
YIQ	197.5440, 17.3380, -38.9020

Conversions

Conversions Part 2

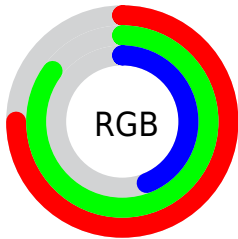
Format	Color
RYB	112, 218, 140
Decimal	12507760
CIELab	83.05, -25.40, 48.72
CIELCh	83, 54.940, 117.535
Yxy	62.2598, 0.3613, 0.4570
Android (android.graphics.Color)	4290697840 (0xFFBEDA70)
YUV	197.5440, -42.1732, -6.6161
Hunter-Lab	78.9049, -26.7119, 36.6346

Details

The XYZ color **49.2312, 62.2598, 24.7518** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **29.2667, 22.2274, 69.0811**, and the grayscale version is **53.6414, 56.4350, 61.4577**.

A 20% lighter version of the original color is **81.3543, 94.2296, 49.9767**, and **23.9045, 31.6715, 9.1283** is the 20% darker color. If you saturate the color by 10%, you get **46.7516, 61.1072, 19.0489**, and if you desaturate by 10%, it is **52.0646, 63.5648, 32.0076**.

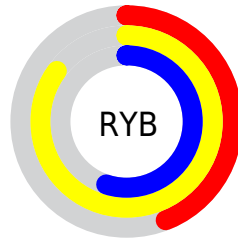
Distribution



Red (75%)

Green (85%)

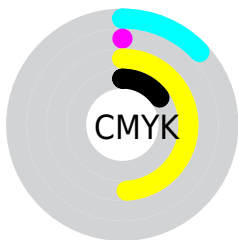
Blue (44%)



Red (44%)

Yellow (85%)

Blue (55%)

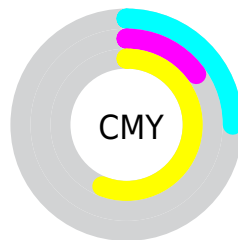


Cyan (13%)

Magenta (0%)

Yellow (49%)

Black (15%)



Cyan (25%)


Magenta (15%)


Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.2312, 62.2598, 24.7518 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 49.2312, 62.2598, 24.7518 by changing the saturation by 10% instead.


 49.2312, 62.2598,
24.7518


 49.2312, 62.2598,
24.7518


374.1537,
432.8781, 290.0076

 35.0182, 45.2427,
15.6749


 88.2334, 108.1009,
52.2134

 23.8435, 31.6486,
9.1425


 113.7533,
137.6937, 71.4352

 15.3417, 21.0932,
4.7362


 143.7729,
172.2471, 94.8757

 9.1474, 13.1922,
2.0373

178.6576,
212.1456, 122.9534

 4.8953, 7.5610,
0.5781

218.7726,
257.7736, 156.0869

 2.2201, 3.8154,
0.0000

264.4834,

 0.7533, 1.5708,

309.5154, 194.6948

0.0000

316.1553,
367.7554, 239.1955

■ 0.0000, 0.3378,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 49.2312, 62.2598,
24.7518

■ 49.2312, 62.2598,
24.7518

■ 46.7516, 61.1072,
19.0489

■ 52.0646, 63.5648,
32.0076

■ 44.5990, 60.0897,
14.7812


■ 55.2672, 65.0220,
40.9146


■ 42.7498, 59.2000,
11.8209


■ 58.8590, 66.6416,
51.5676


■ 41.1743, 58.4261,
10.0157


■ 62.8571, 68.4305,
64.0532

 39.8278, 57.7501,
9.1339


 67.2773, 70.3951,
78.4522

 39.6519, 57.6613,
9.0399

 72.1347, 72.5414,
94.8405

 75.8578, 74.2411,
104.9396

 77.7404, 75.2116,
105.0277

 79.6846, 76.2139,
105.1187

Harmonies

Analogous

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



60.1642, 62.2598, 21.1837



49.2312, 62.2598, 24.7518



41.9187, 62.2598, 38.3865

Triad

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



49.2312, 62.2598, 24.7518



47.7409, 62.2598, 139.3284



85.0593, 62.2598, 70.6437

Complementary

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



49.2312, 62.2598, 24.7518



29.2667, 22.2274, 69.0811

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.



80.6186, 62.2598, 109.3234



49.2312, 62.2598, 24.7518



58.1988, 62.2598, 156.4136

Square

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



49.2312, 62.2598, 24.7518



41.1427, 62.2598, 102.7561



70.3774, 62.2598, 143.9275



81.8323, 62.2598, 41.8204

Rectangle

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



49.2312, 62.2598, 24.7518



39.5554, 62.2598, 54.6264



70.3774, 62.2598, 143.9275



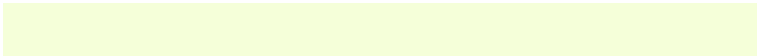
84.4021, 62.2598, 82.9155

Sweetspot

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



49.2327, 62.2626, 24.7531



85.8713, 95.9103, 79.4619



41.0007, 34.3979, 19.8086



18.1273, 20.4155, 16.2288



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.



49.2327, 62.2626, 24.7531



66.7159, 87.1712, 27.2469



38.5623, 56.7618, 24.2538



13.8091, 15.0818, 13.9088



23.8607, 34.5981, 5.4205



1.6253, 2.2824, 0.3549

Inverse Universe

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



29.2667, 22.2274, 69.0811



35.2033, 23.8833, 97.3623



40.0631, 27.7931, 69.5863



12.6597, 12.7827, 16.4522



8.6999, 3.6091, 39.9765



0.6446, 0.2755, 2.5937

Previews

White Background



This preview shows how the XYZ color 49.2312, 62.2598, 24.7518 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 49.2312, 62.2598, 24.7518 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 49.2312, 62.2598, 24.7518

Background



This preview shows how black text looks on a background with the XYZ color 49.2312, 62.2598, 24.7518.



This preview shows how white text looks on a background with the XYZ color 49.2312, 62.2598,

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

49.2312, 62.2598, 24.7518

Protanopia

57.0145, 62.2023, 23.1886

Deuteranopia

63.3220, 61.9123, 25.4425



Tritanopia

60.1580, 62.2539, 77.9528

Trichromacy



Original Color

49.2312, 62.2598, 24.7518

Protanomaly

53.7861, 61.9888, 23.5982

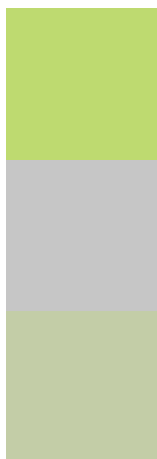
Deuteranomaly

57.2389, 61.5585, 25.0848

Tritanomaly

55.0433, 61.6127, 53.2473

Monochromacy



Original Color

49.2312, 62.2598, 24.7518

Achromatopsia

53.6758, 56.4712, 61.4971

Achromatomaly

51.3120, 58.0548, 45.0605

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.2312, 62.2598, 24.7518 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, 218, 112)` looks like.

```
.text, #text, p{  
    color:rgb(190, 218, 112)  
}
```

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, 218, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 218, 112) }
```

Border

The CSS property to change the border of an element to XYZ 49.2312, 62.2598, 24.7518 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, 218, 112) }
```


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

```
.border{ border-color:rgb(190, 218, 112) }
```

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

Here you see how a box with a 4 pixel rgb(190, 218, 112) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 218, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 218, 112);  
box-shadow:4px 4px 4px 4px rgb(190, 218,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 49.2312, 62.2598, 24.7518 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 218, 112) }
```

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

```
.background{ background-color: rgb(190,  
218, 112) }
```

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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