

Converting Colors

XYZ(49.8944, 63.1031, 24.9387)

Have a look what the booklet for
XYZ(49.8944, 63.1031, 24.9387)
contains.

XYZ(49.7420, 62.9093, 24.8503)	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(49.7420, 62.9093,
24.8503)**

Conversions

Conversions Part 1

Format	Color
Hex	BFDB70
RGB	191, 219, 112
RGB Percent	75%, 86%, 44%
CMY	0.2510, 0.1412, 0.5608
CMYK	0.13, 0.00, 0.49, 0.14
HSL	76°, 60%, 65%
HSV	76°, 49%, 86%
XYZ	49.7420, 62.9093, 24.8503
YIQ	198.4300, 17.6590, -39.2130

Conversions

Conversions Part 2

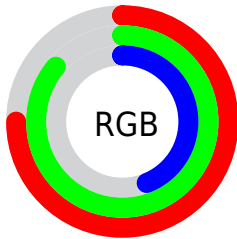
Format	Color
RYB	112, 219, 140
Decimal	12573552
CIELab	83.39, -25.49, 49.15
CIELCh	83, 55.365, 117.417
Yxy	62.9093, 0.3618, 0.4575
Android (android.graphics.Color)	4290763632 (0xFFBFDB70)
YUV	198.4300, -42.6100, -6.5161
Hunter-Lab	79.3154, -26.8571, 36.9446

Details

The XYZ color **49.7420, 62.9093, 24.8503** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **29.3981, 22.2800, 69.7726**, and the grayscale version is **54.1836, 57.0054, 62.0789**.

A 20% lighter version of the original color is **81.7099, 94.4129, 49.9933**, and **24.0827, 32.0281, 9.1877** is the 20% darker color. If you saturate the color by 10%, you get **47.2550, 61.7534, 19.1248**, and if you desaturate by 10%, it is **52.5851, 64.2185, 32.1429**.

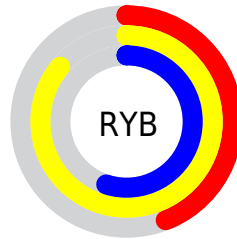
Distribution



Red (75%)

Green (86%)

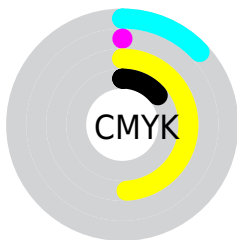
Blue (44%)



Red (44%)

Yellow (86%)

Blue (55%)

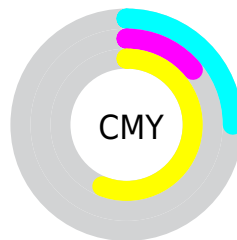


Cyan (13%)

Magenta (0%)

Yellow (49%)

Black (14%)



Cyan (25%)


Magenta (14%)


Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.7420, 62.9093, 24.8503 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 49.7420, 62.9093, 24.8503 by changing the saturation by 10% instead.


 49.7420, 62.9093,
24.8503


 49.7420, 62.9093,
24.8503


376.1248,
435.2402, 290.5154

 35.4254, 45.7678,
15.7476


 88.9866, 109.0386,
52.3754

 24.1588, 32.0627,
9.1933


 114.6453,
138.7953, 71.6348

 15.5768, 21.4094,
4.7689


 144.8155,
173.5259, 95.1168

 9.3142, 13.4236,
2.0560

 179.8624,
213.6146, 123.2400

 5.0054, 7.7209,
0.5894

220.1514,
259.4461, 156.4229

 2.2852, 3.9169,
0.0000

266.0479,

 0.7871, 1.6272,

311.4046, 195.0841

0.0000

317.9173,
369.8745, 239.6421

■ 0.0000, 0.3758,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 49.7420, 62.9093,
24.8503

■ 49.7420, 62.9093,
24.8503

■ 47.2550, 61.7534,
19.1248

■ 52.5851, 64.2185,
32.1429

■ 45.0970, 60.7333,
14.8471


■ 55.7999, 65.6809,
41.1023


■ 43.2439, 59.8416,
11.8874


■ 59.4067, 67.3067,
51.8246

■ 41.6657, 59.0662,
10.0911


■ 63.4227, 69.1028,
64.3975


 40.3160, 58.3883,
9.2170


 67.8639, 71.0759,
78.9027

 40.1693, 58.3143,
9.1386

 72.7457, 73.2321,
95.4172

 76.3779, 74.8954,
105.0385

 78.2599, 75.8656,
105.1265

 80.2030, 76.8673,
105.2175

Harmonies

Analogous

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



60.8444, 62.9093, 21.2779



49.7420, 62.9093, 24.8503



42.3104, 62.9093, 38.6046

Triad

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



49.7420, 62.9093, 24.8503



48.1583, 62.9093, 141.0480



86.0694, 62.9093, 71.5338

Complementary

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



49.7420, 62.9093, 24.8503



29.3981, 22.2800, 69.7726

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.



81.5302, 62.9093, 110.8312



49.7420, 62.9093, 24.8503



58.7546, 62.9093, 158.5274

Square

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



49.7420, 62.9093, 24.8503



41.4861, 62.9093, 103.8400



71.1151, 62.9093, 145.9471



82.8218, 62.9093, 42.2502

Rectangle

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



49.7420, 62.9093, 24.8503



39.9025, 62.9093, 55.0280



71.1151, 62.9093, 145.9471



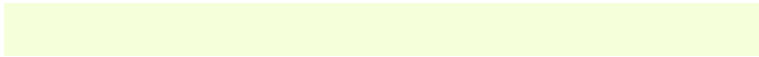
85.3913, 62.9093, 84.0032

Sweetspot

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



49.7435, 62.9121, 24.8516



85.9042, 95.9272, 79.4635



41.3368, 34.6248, 19.8347



18.1353, 20.4196, 16.2292



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.



49.7435, 62.9121, 24.8516



66.4943, 87.0722, 26.5457



38.8641, 57.3036, 24.3425



13.8123, 15.0835, 13.9090



23.9249, 34.6312, 5.4235



1.6290, 2.2843, 0.3551

Inverse Universe

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



29.3981, 22.2800, 69.7726



34.5448, 23.1545, 97.2563



40.3842, 27.9436, 70.2867



12.6567, 12.7811, 16.4521



8.6808, 3.5993, 39.9756



0.6430, 0.2747, 2.5936

Previews

White Background



This preview shows how the XYZ color 49.7420, 62.9093, 24.8503 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 49.7420, 62.9093, 24.8503 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 49.7420, 62.9093, 24.8503

Background



This preview shows how black text looks on a background with the XYZ color 49.7420, 62.9093, 24.8503.



This preview shows how white text looks on a background with the XYZ color 49.7420, 62.9093,

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

49.7420, 62.9093, 24.8503

Protanopia

57.5757, 62.8525, 23.2845

Deuteranopia

63.9130, 62.5552, 25.5354



Tritanopia

60.8089, 62.9325, 78.7542

Trichromacy



Original Color

49.7420, 62.9093, 24.8503

Protanomaly

54.3281, 62.6382, 23.6950

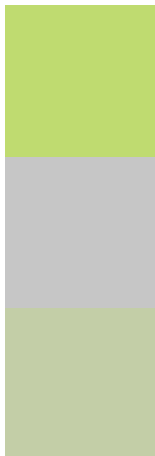
Deuteranomaly

57.7989, 62.2034, 25.1798

Tritanomaly

55.6609, 62.2868, 53.8887

Monochromacy



Original Color

49.7420, 62.9093, 24.8503

Achromatopsia

53.6758, 56.4712, 61.4971

Achromatomaly

51.5520, 58.5347, 45.1405

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.7420, 62.9093, 24.8503 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(191, 219, 112)` looks like.

```
.text, #text, p{  
    color:rgb(191, 219, 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(191, 219, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 219, 112) }
```

Border

The CSS property to change the border of an element to XYZ 49.7420, 62.9093, 24.8503 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(191, 219, 112) }
```


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

```
.border{ border-color:rgb(191, 219, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 219, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 219, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 219, 112);  
box-shadow:4px 4px 4px 4px rgb(191, 219,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 49.7420, 62.9093, 24.8503 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 219, 112) }
```

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

```
.background{ background-color: rgb(191,  
219, 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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