

Converting Colors

XYZ(51.2355, 64.8304, 25.6372)

Have a look what the booklet for
XYZ(51.2355, 64.8304, 25.6372)
contains.

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Color

**XYZ(51.1509, 64.7949,
25.7303)**

Conversions

Conversions Part 1

Format	Color
Hex	C1DE72
RGB	193, 222, 114
RGB Percent	76%, 87%, 45%
CMY	0.2431, 0.1294, 0.5529
CMYK	0.13, 0.00, 0.49, 0.13
HSL	76°, 62%, 66%
HSV	76°, 49%, 87%
XYZ	51.1509, 64.7949, 25.7303
YIQ	201.0170, 17.3840, -39.7360

Conversions

Conversions Part 2

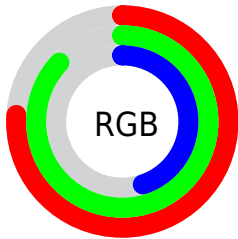
Format	Color
RYB	114, 222, 143
Decimal	12705394
CIELab	84.38, -25.96, 49.42
CIELCh	84, 55.821, 117.717
Yxy	64.7949, 0.3610, 0.4573
Android (android.graphics.Color)	4290895474 (0xFFC1DE72)
YUV	201.0170, -42.8994, -7.0309
Hunter-Lab	80.4953, -27.4385, 37.3947

Details

The XYZ color **51.1509, 64.7949, 25.7303** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **30.5322, 23.1499, 71.9701**, and the grayscale version is **55.7794, 58.6843, 63.9072**.

A 20% lighter version of the original color is **82.6115, 94.8564, 51.0008**, and **25.0047, 33.3036, 9.6678** is the 20% darker color. If you saturate the color by 10%, you get **48.5486, 63.5842, 19.7942**, and if you desaturate by 10%, it is **54.1243, 66.1657, 33.2870**.

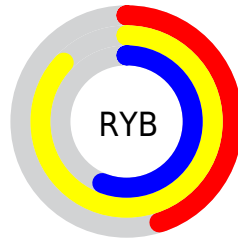
Distribution



Red (76%)

Green (87%)

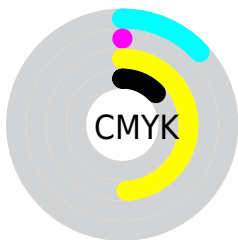
Blue (45%)



Red (45%)

Yellow (87%)

Blue (56%)

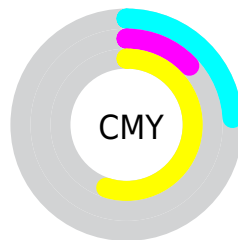


Cyan (13%)

Magenta (0%)

Yellow (49%)

Black (13%)



Cyan (24%)

Magenta (13%)

Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.1509, 64.7949, 25.7303 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 51.1509, 64.7949, 25.7303 by changing the saturation by 10% instead.

■ 51.1509, 64.7949,
25.7303

■ 51.1509, 64.7949,
25.7303

381.5278,
442.0546, 295.0189

■ 36.5502, 47.2948,
16.3980

■ 91.0595, 111.7549,
53.8183

■ 25.0315, 33.2688,
9.6488

■ 117.0981,
141.9837, 73.4110

■ 16.2294, 22.3324,
5.0642

■ 147.6800,
177.2240, 97.2611

■ 9.7785, 14.1014,
2.2256

183.1707,
217.8604, 125.7869

■ 5.3135, 8.1912,
0.6891

223.9355,
264.2773, 159.4070

■ 2.4690, 4.2175,
0.0000

270.3397,

■ 0.8796, 1.7960,

316.8590, 198.5400

0.0000

322.7487,
375.9900, 243.6045

0.0000, 0.4847,
0.0000

0.0000, 0.0000,
0.0000

51.1509, 64.7949,
25.7303

51.1509, 64.7949,
25.7303

48.5486, 63.5842,
19.7942

54.1243, 66.1657,
33.2870

46.2895, 62.5155,
15.3557


57.4851, 67.6963,
42.5673


44.3486, 61.5810,
12.2809


61.2541, 69.3975,
53.6702


42.6950, 60.7682,
10.4103


65.4493, 71.2764,
66.6864


 41.2822, 60.0585,
9.5028


 70.0873, 73.3399,
81.7002

 41.1010, 59.9670,
9.4085

 75.1838, 75.5942,
98.7911

 78.3463, 77.0825,
105.3569

 80.3451, 78.1129,
105.4504

 82.4105, 79.1777,
105.5471

Harmonies

Analogous

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



62.5400, 64.7949, 21.9601



51.1509, 64.7949, 25.7303



43.5516, 64.7949, 40.0096

Triad

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



51.1509, 64.7949, 25.7303



49.7114, 64.7949, 145.4335



88.6061, 64.7949, 73.3051

Complementary

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



51.1509, 64.7949, 25.7303



30.5322, 23.1499, 71.9701

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.



84.0159, 64.7949, 113.6542



51.1509, 64.7949, 25.7303



60.6409, 64.7949, 163.1097

Square

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



51.1509, 64.7949, 25.7303



42.8022, 64.7949, 107.3035



73.3509, 64.7949, 149.8829



85.1893, 64.7949, 43.3243

Rectangle

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



51.1509, 64.7949, 25.7303



41.1072, 64.7949, 57.0012



73.3509, 64.7949, 149.8829



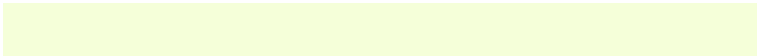
87.9365, 64.7949, 86.0931

Sweetspot

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



51.1525, 64.7978, 25.7317



85.8131, 95.8803, 79.4592



42.9562, 36.3314, 20.6691



18.1132, 20.4082, 16.2282



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.



51.1525, 64.7978, 25.7317



66.5257, 87.0731, 27.2380



39.8416, 58.9668, 25.2023



14.4939, 15.8348, 14.5993



24.5228, 35.6745, 5.5934



1.7836, 2.5159, 0.3916

Inverse Universe

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



30.5322, 23.1499, 71.9701



35.3185, 23.9427, 97.3677



42.1780, 29.1535, 72.5151



13.2957, 13.4204, 17.2773



9.0155, 3.7430, 41.2957



0.7090, 0.3028, 2.8663

Previews

White Background



This preview shows how the XYZ color 51.1509, 64.7949, 25.7303 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 51.1509, 64.7949, 25.7303 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 51.1509, 64.7949, 25.7303

Background



This preview shows how black text looks on a background with the XYZ color 51.1509, 64.7949, 25.7303.



This preview shows how white text looks on a background with the XYZ color 51.1509, 64.7949,

25.7303.

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

51.1509, 64.7949, 25.7303

Protanopia

59.1398, 64.3748, 24.0604

Deuteranopia

65.7018, 64.4633, 27.7187



Tritanopia

62.5062, 64.8496, 81.1743

Trichromacy



Original Color

51.1509, 64.7949, 25.7303

Protanomaly

55.8293, 64.1463, 24.4779

Deuteranomaly

59.4693, 64.1128, 27.0099

Tritanomaly

57.1606, 64.1525, 55.2689

Monochromacy



Original Color

51.1509, 64.7949, 25.7303

Achromatopsia

55.5167, 58.4078, 63.6061

Achromatomaly

53.2506, 60.4713, 46.4016

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.1509, 64.7949, 25.7303 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(193, 222, 114)` looks like.

```
.text, #text, p{  
    color:rgb(193, 222, 114)  
}
```

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(193, 222, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 222, 114) }
```

Border

The CSS property to change the border of an element to XYZ 51.1509, 64.7949, 25.7303 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(193, 222, 114) }
```


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

```
.border{ border-color:rgb(193, 222, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 222, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 222, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 222, 114);  
box-shadow:4px 4px 4px 4px rgb(193, 222,  
114) }
```

Background

The CSS property to change the background color of an element to XYZ 51.1509, 64.7949, 25.7303 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 222, 114) }
```

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

```
.background{ background-color: rgb(193,  
222, 114) }
```

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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