

Converting Colors

XYZ(51.4663, 66.6997, 25.8295)

Have a look what the booklet for
XYZ(51.4663, 66.6997, 25.8295)
contains.

XYZ(51.4122, 66.5321, 25.7551)	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(51.4122, 66.5321,
25.7551)**

Conversions

Conversions Part 1

Format	Color
Hex	BEE271
RGB	190, 226, 113
RGB Percent	75%, 89%, 44%
CMY	0.2549, 0.1137, 0.5568
CMYK	0.16, 0.00, 0.50, 0.11
HSL	79°, 66%, 66%
HSV	79°, 50%, 89%
XYZ	51.4122, 66.5321, 25.7551
YIQ	202.3540, 14.8170, -42.7750

Conversions

Conversions Part 2

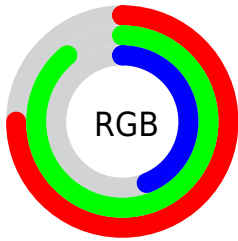
Format	Color
RYB	113, 226, 149
Decimal	12509809
CIELab	85.27, -29.10, 50.91
CIELCh	85, 58.641, 119.756
Yxy	66.5321, 0.3578, 0.4630
Android (android.graphics.Color)	4290699889 (0xFFBEE271)
YUV	202.3540, -44.0515, -10.8345
Hunter-Lab	81.5672, -30.2332, 38.3760

Details

The XYZ color **51.4122, 66.5321, 25.7551** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **32.0297, 23.6926, 74.8403**, and the grayscale version is **56.6219, 59.5707, 64.8725**.

A 20% lighter version of the original color is **81.4465, 94.2665, 50.4618**, and **25.2367, 34.5311, 9.7499** is the 20% darker color. If you saturate the color by 10%, you get **48.5411, 65.1833, 19.7862**, and if you desaturate by 10%, it is **54.6923, 68.0594, 33.3994**.

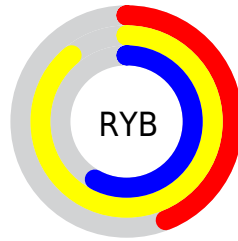
Distribution



Red (75%)

Green (89%)

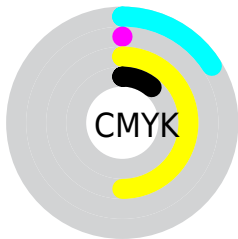
Blue (44%)



Red (44%)

Yellow (89%)

Blue (58%)

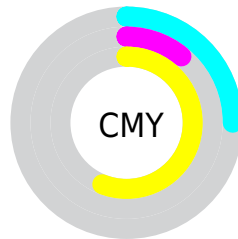


Cyan (16%)

Magenta (0%)

Yellow (50%)

Black (11%)



Cyan (25%)


Magenta (11%)


Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.4122, 66.5321, 25.7551 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 51.4122, 66.5321, 25.7551 by changing the saturation by 10% instead.


 51.4122, 66.5321,
25.7551


 51.4122, 66.5321,
25.7551


382.5245,
448.2775, 295.1449


 36.7591, 48.7045,
16.4164


 91.4432, 114.2497,
53.8588

 25.1939, 34.3851,
9.6617


 117.5518,
144.9085, 73.4609

 16.3511, 23.1896,
5.0726

 148.2096,
180.6131, 97.3212

 9.8653, 14.7336,
2.2304

183.7820,
221.7479, 125.8583

 5.3713, 8.6326,
0.6919

224.6343,
268.6974, 159.4907

 2.5037, 4.5023,
0.0000

271.1319,

 0.8971, 1.9583,

321.8458, 198.6369

0.0000

323.6402,
381.5777, 243.7154

0.0000, 0.5831,
0.0000

0.0000, 0.0000,
0.0000

51.4122, 66.5321,
25.7551

51.4122, 66.5321,
25.7551

48.5411, 65.1833,
19.7862

54.6923, 68.0594,
33.3994

46.0488, 63.9938,
15.3623


58.3992, 69.7655,
42.8282


43.9084, 62.9550,
12.3404


62.5554, 71.6619,
54.1463


42.0859, 62.0533,
10.5491


67.1803, 73.7565,
67.4492


 40.5232, 61.2651,
9.6896


 72.2918, 76.0565,
82.8260

 40.5231, 61.2650,
9.6895

 77.9071, 78.5690,
100.3603

 81.3216, 80.2123,
105.8042

 83.8206, 81.5006,
105.9211

 86.4179, 82.8396,
106.0427

Harmonies

Analogous

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



63.3454, 66.5321, 21.2211



51.4122, 66.5321, 25.7551



43.6756, 66.5321, 41.5458

Triad

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



51.4122, 66.5321, 25.7551



51.2485, 66.5321, 155.5647



92.3006, 66.5321, 72.7536

Complementary

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



51.4122, 66.5321, 25.7551



32.0297, 23.6926, 74.8403

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.



87.9087, 66.5321, 115.7776



51.4122, 66.5321, 25.7551



63.1282, 66.5321, 172.6934

Square

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



51.4122, 66.5321, 25.7551



43.5908, 66.5321, 115.0427



76.7481, 66.5321, 156.0830



88.0440, 66.5321, 41.9188

Rectangle

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



51.4122, 66.5321, 25.7551



41.3259, 66.5321, 60.2209



76.7481, 66.5321, 156.0830



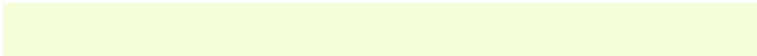
91.7791, 66.5321, 86.2141

Sweetspot

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



51.4138, 66.5351, 25.7565



85.1494, 95.5381, 79.4281



45.0603, 38.7896, 20.7360



17.9526, 20.3254, 16.2206



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.



51.4138, 66.5351, 25.7565



63.6814, 85.6370, 25.7436



39.9656, 60.6333, 25.2208



14.4249, 15.7992, 14.5961



23.2457, 35.0161, 5.5336



1.7031, 2.4744, 0.3879

Inverse Universe

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



32.0297, 23.6926, 74.8403



35.5175, 23.2781, 97.2289



44.8901, 30.3224, 75.4422



13.3611, 13.4542, 17.2804



9.4659, 3.9752, 41.3167



0.7470, 0.3224, 2.8681

Previews

White Background



This preview shows how the XYZ color 51.4122, 66.5321, 25.7551 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 51.4122, 66.5321, 25.7551 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

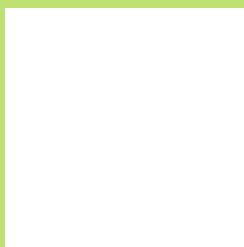
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 51.4122, 66.5321, 25.7551

Background



This preview shows how black text looks on a background with the XYZ color 51.4122, 66.5321, 25.7551.



This preview shows how white text looks on a background with the XYZ color 51.4122, 66.5321,

25.7551.

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

51.4122, 66.5321, 25.7551

Protanopia

60.8155, 66.3548, 24.0704

Deuteranopia

66.9977, 66.1117, 31.0595



Tritanopia

63.2540, 66.2808, 84.3225

Trichromacy



Original Color

51.4122, 66.5321, 25.7551

Protanomaly

57.0993, 66.3287, 24.5451

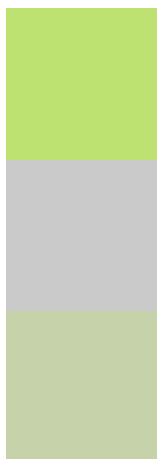
Deuteranomaly

60.2002, 65.5566, 28.8828

Tritanomaly

57.8605, 66.0100, 56.7053

Monochromacy



Original Color

51.4122, 66.5321, 25.7551

Achromatopsia

56.1383, 59.0619, 64.3184

Achromatomaly

53.8387, 61.4966, 47.0626

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.4122, 66.5321, 25.7551 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, 226, 113)` looks like.

```
.text, #text, p{  
    color:rgb(190, 226, 113)  
}
```

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, 226, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 226, 113) }
```

Border

The CSS property to change the border of an element to XYZ 51.4122, 66.5321, 25.7551 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, 226, 113) }
```


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

```
.border{ border-color:rgb(190, 226, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 226, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 226, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 226, 113);  
box-shadow:4px 4px 4px 4px rgb(190, 226,  
113) }
```

Background

The CSS property to change the background color of an element to XYZ 51.4122, 66.5321, 25.7551 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 226, 113) }
```

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

```
.background{ background-color: rgb(190,  
226, 113) }
```

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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