

Converting Colors

XYZ(51.8791, 66.4480, 44.3645)

Have a look what the booklet for
XYZ(51.8791, 66.4480, 44.3645)
contains.

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Color

**XYZ(51.8494, 66.3485,
44.2562)**

Conversions

Conversions Part 1

Format	Color
Hex	B1E2A2
RGB	177, 226, 162
RGB Percent	69%, 89%, 64%
CMY	0.3059, 0.1137, 0.3647
CMYK	0.22, 0.00, 0.28, 0.11
HSL	106°, 52%, 76%
HSV	106°, 28%, 89%
XYZ	51.8494, 66.3485, 44.2562
YIQ	204.0530, -8.6600, -30.2920

Conversions

Conversions Part 2

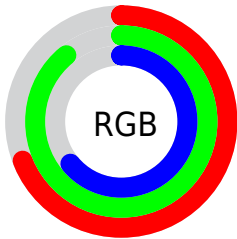
Format	Color
RYB	162, 226, 211
Decimal	11657890
CIELab	85.17, -27.55, 26.29
CIELCh	85, 38.080, 136.344
Yxy	66.3485, 0.3192, 0.4084
Android (android.graphics.Color)	4289847970 (0xFFB1E2A2)
YUV	204.0530, -20.7321, -23.7255
Hunter-Lab	81.4546, -28.9225, 24.8046

Details

The XYZ color **51.8494, 66.3485, 44.2562** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **53.5147, 45.1825, 77.8557**, and the grayscale version is **57.5603, 60.5580, 65.9476**.

A 20% lighter version of the original color is **81.8887, 93.8534, 79.4452**, and **25.3576, 34.0862, 19.9947** is the 20% darker color. If you saturate the color by 10%, you get **46.3239, 63.7136, 34.4367**, and if you desaturate by 10%, it is **58.2393, 69.3912, 56.0036**.

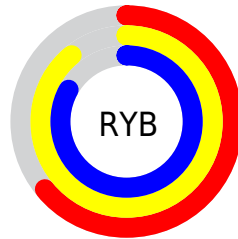
Distribution



Red (69%)

Green (89%)

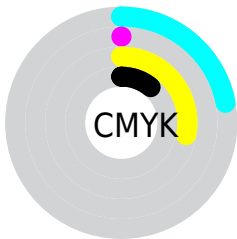
Blue (64%)



Red (64%)

Yellow (89%)

Blue (83%)

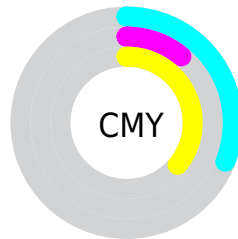


Cyan (22%)

Magenta (0%)

Yellow (28%)

Black (11%)



Cyan (31%)


Magenta (11%)


Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.8494, 66.3485, 44.2562 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 51.8494, 66.3485, 44.2562 by changing the saturation by 10% instead.


 51.8494, 66.3485,
44.2562


 51.8494, 66.3485,
44.2562


384.1884,
447.6222, 379.8246

 37.1088, 48.5554,
30.5333


 92.0846, 113.9864,
82.9097

 25.4658, 34.2669,
19.9883


 118.3100,
144.5999, 108.6774

 16.5550, 23.0987,
12.2025


149.0944,
180.2557, 139.2971

 10.0111, 14.6664,
6.7575

184.8031,
221.3381, 175.1873

 5.4686, 8.5856,
3.2348

225.8015,
268.2316, 216.7667

 2.5623, 4.4719,
1.2157

272.4550,

 0.9268, 1.9409,

321.3205, 264.4536

0.0000

325.1288,
380.9892, 318.6668

0.0000, 0.5728,
0.0000

0.0000, 0.0000,
0.0000

51.8494, 66.3485,
44.2562

51.8494, 66.3485,
44.2562

46.3239, 63.7136,
34.4367

58.2393, 69.3912,
56.0036

41.6197, 61.4607,
26.4379

65.5239, 72.8494,
69.7696

37.6974, 59.5738,
20.1490

73.7386, 76.7414,
85.6445

34.5125, 58.0327,
15.4452

82.9150, 81.0816,
103.7118

■ 32.0153, 56.8150,
12.1847

■ 86.4877, 82.8754,
106.0459

■ 30.1496, 55.8951,
10.2006

■ 28.8422, 55.2408,
9.2515

■ 28.6640, 55.1513,
9.1345

Harmonies

Analogous

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



58.5269, 66.3485, 35.6886



51.8494, 66.3485, 44.2562



48.3330, 66.3485, 61.6379

Triad

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



51.8494, 66.3485, 44.2562



59.2418, 66.3485, 128.6586



80.2800, 66.3485, 59.7299

Complementary

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



51.8494, 66.3485, 44.2562



53.5147, 45.1825, 77.8557

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.



80.5158, 66.3485, 83.9980



51.8494, 66.3485, 44.2562



67.8261, 66.3485, 127.8166

Square

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



51.8494, 66.3485, 44.2562



52.3317, 66.3485, 112.1628



75.7853, 66.3485, 110.0723



75.1677, 66.3485, 43.1341

Rectangle

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



51.8494, 66.3485, 44.2562



48.0272, 66.3485, 77.5969



75.7853, 66.3485, 110.0723



80.9471, 66.3485, 67.1398

Sweetspot

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



51.8511, 66.3513, 44.2577



86.4229, 95.9121, 92.2525



60.9350, 64.8736, 43.4936



18.1699, 20.3735, 19.1192



0.0000, 0.0000, 0.0000



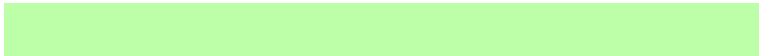
20.3446, 21.4041, 23.3091

Same Dimension

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



51.8511, 66.3513, 44.2577



63.7474, 85.1283, 50.2641



50.1346, 65.2915, 52.0811



13.8279, 15.4915, 14.5681



16.4393, 31.5073, 5.2151



1.2182, 2.2245, 0.3652

Inverse Universe

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



53.5147, 45.1825, 77.8557



66.2643, 52.9443, 101.3345



55.9197, 46.6643, 67.0354



13.9646, 13.7653, 17.3086



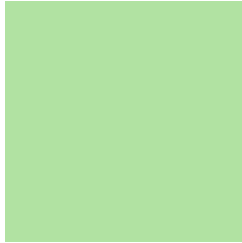
17.7778, 8.2601, 41.7057



1.3092, 0.6122, 2.8944

Previews

White Background



This preview shows how the XYZ color 51.8494, 66.3485, 44.2562 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 51.8494, 66.3485, 44.2562 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

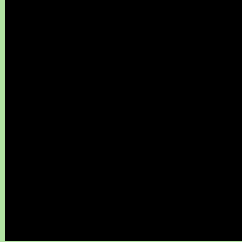
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.8494, 66.3485, 44.2562

Background



This preview shows how black text looks on a background with the XYZ color 51.8494, 66.3485, 44.2562.



This preview shows how white text looks on a background with the XYZ color 51.8494, 66.3485,

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

51.8494, 66.3485, 44.2562

Protanopia

61.5391, 65.9812, 40.9447

Deuteranopia

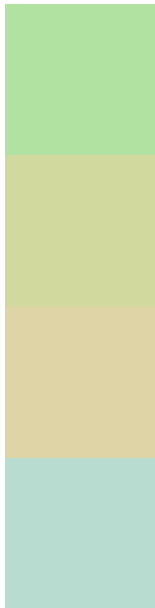
67.2793, 65.9322, 45.7394



Tritanopia

60.6504, 66.3850, 87.4589

Trichromacy



Original Color

51.8494, 66.3485, 44.2562

Protanomaly

57.2789, 65.6496, 42.0005

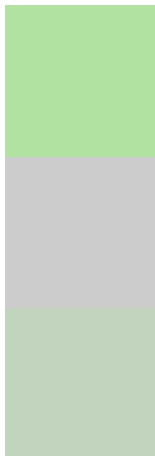
Deuteranomaly

60.4592, 65.3332, 45.0213

Tritanomaly

56.9859, 66.0548, 69.4209

Monochromacy



Original Color

51.8494, 66.3485, 44.2562

Achromatopsia

57.3938, 60.3827, 65.7568

Achromatomaly

54.9769, 62.2304, 57.2582

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.8494, 66.3485, 44.2562 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(177, 226, 162)` looks like.

```
.text, #text, p{  
    color:rgb(177, 226, 162)  
}
```

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(177, 226, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 226, 162) }
```

Border

The CSS property to change the border of an element to XYZ 51.8494, 66.3485, 44.2562 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(177, 226, 162) }
```


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

```
.border{ border-color:rgb(177, 226, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 226, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 226, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 226, 162);  
box-shadow:4px 4px 4px 4px rgb(177, 226,  
162) }
```

Background

The CSS property to change the background color of an element to XYZ 51.8494, 66.3485, 44.2562 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 226, 162) }
```

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

```
.background{ background-color: rgb(177,  
226, 162) }
```

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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