

Converting Colors

XYZ(51.2708, 61.3223, 45.6989)

Have a look what the booklet for
XYZ(51.2708, 61.3223, 45.6989)
contains.

XYZ(51.2713, 61.3223, 45.6933)	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(51.2713, 61.3223,
45.6933)**

Conversions

Conversions Part 1

Format	Color
Hex	BAD6A7
RGB	186, 214, 167
RGB Percent	73%, 84%, 65%
CMY	0.2706, 0.1608, 0.3451
CMYK	0.13, 0.00, 0.22, 0.16
HSL	96°, 36%, 75%
HSV	96°, 22%, 84%
XYZ	51.2713, 61.3223, 45.6933
YIQ	200.2700, -1.6010, -20.5530

Conversions

Conversions Part 2

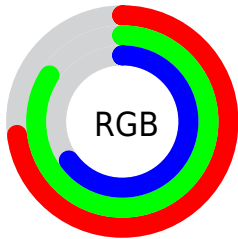
Format	Color
RYB	167, 214, 195
Decimal	12244647
CIELab	82.55, -17.77, 20.18
CIELCh	83, 26.890, 131.369
Yxy	61.3223, 0.3239, 0.3874
Android (android.graphics.Color)	4290434727 (0xFFBAD6A7)
YUV	200.2700, -16.4021, -12.5148
Hunter-Lab	78.3086, -20.1699, 20.2201

Details

The XYZ color **51.2713, 61.3223, 45.6933** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **48.4646, 44.0963, 69.5788**, and the grayscale version is **55.1662, 58.0391, 63.2046**.

A 20% lighter version of the original color is **85.5628, 95.6712, 83.0640**, and **25.0084, 30.9396, 20.8735** is the 20% darker color. If you saturate the color by 10%, you get **46.4942, 59.0714, 35.9832**, and if you desaturate by 10%, it is **56.6556, 63.8520, 57.1433**.

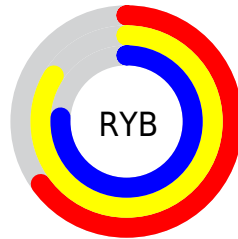
Distribution



Red (73%)

Green (84%)

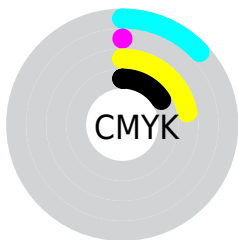
Blue (65%)



Red (65%)

Yellow (84%)

Blue (76%)

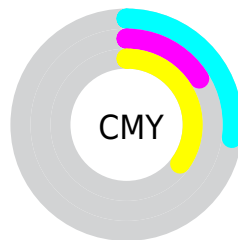


Cyan (13%)

Magenta (0%)

Yellow (22%)

Black (16%)



Cyan (27%)

Magenta (16%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.2713, 61.3223, 45.6933 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 51.2713, 61.3223, 45.6933 by changing the saturation by 10% instead.

■ 51.2713, 61.3223,
45.6933

■ 51.2713, 61.3223,
45.6933

381.9872,
429.4548, 385.8159

■ 36.6465, 44.4853,
31.6569

■ 91.2363, 106.7455,
85.0892

■ 25.1063, 31.0522,
20.8370

■ 117.3072,
136.1004, 111.2859

■ 16.2854, 20.6386,
12.8148

147.9241,
170.3969, 142.3731

■ 9.8185, 12.8601,
7.1719

183.4525,
210.0192, 178.7694

■ 5.3401, 7.3323,
3.4898

224.2576,
255.3517, 220.8933

■ 2.4850, 3.6708,
1.3498

270.7049,

■ 0.8877, 1.4912,

306.7789, 269.1633

0.1021

323.1596,
364.6851, 323.9980

0.0000, 0.2825,
0.0000

0.0000, 0.0000,
0.0000

51.2713, 61.3223,
45.6933

51.2713, 61.3223,
45.6933

46.4942, 59.0714,
35.9832

56.6556, 63.8520,
57.1433

42.2960, 57.0812,
27.9240

62.6640, 66.6621,
70.4084

38.6535, 55.3435,
21.4246

69.3189, 69.7643,
85.5643

35.5396, 53.8466,
16.3837

76.6402, 73.1672,
102.6813

■ 32.9247, 52.5777,
12.6881

■ 81.4335, 75.5940,
104.9068

■ 30.7756, 51.5224,
10.2076

■ 83.3378, 76.5757,
104.9959

■ 29.0535, 50.6643,
8.7864

■ 27.9319, 50.0980,
8.1977

Harmonies

Analogous

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



56.1301, 61.3223, 40.2639



51.2713, 61.3223, 45.6933



48.4128, 61.3223, 57.1459

Triad

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



51.2713, 61.3223, 45.6933



54.8200, 61.3223, 101.5386



69.8240, 61.3223, 60.7133

Complementary

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



51.2713, 61.3223, 45.6933



48.4646, 44.0963, 69.5788

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.



69.4155, 61.3223, 77.4173



51.2713, 61.3223, 45.6933



60.4944, 61.3223, 102.9188

Square

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



51.2713, 61.3223, 45.6933



50.3667, 61.3223, 89.9884



65.9108, 61.3223, 93.4967



66.9926, 61.3223, 47.9335

Rectangle

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



51.2713, 61.3223, 45.6933



47.9049, 61.3223, 67.5301



65.9108, 61.3223, 93.4967



70.0657, 61.3223, 66.0148

Sweetspot

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



51.2729, 61.3250, 45.6946



88.5030, 96.9417, 94.2827



54.0937, 55.8579, 44.4907



18.8272, 20.6952, 19.9245



0.0000, 0.0000, 0.0000



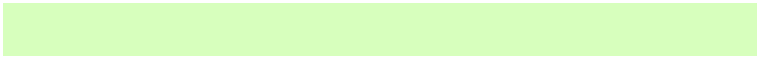
20.3446, 21.4041, 23.3091

Same Dimension

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



51.2729, 61.3250, 45.6946



73.0837, 89.7038, 61.4362



47.3275, 59.2485, 47.4292



12.7329, 14.1385, 13.2186



16.9929, 30.3365, 4.9599



1.1173, 1.8774, 0.3035

Inverse Universe

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



48.4646, 44.0963, 69.5788



68.2420, 60.0132, 102.5947



53.1959, 46.5925, 67.2199



12.4449, 12.3708, 15.6694



12.7923, 5.7472, 38.8882



0.8641, 0.3944, 2.3499

Previews

White Background



This preview shows how the XYZ color 51.2713, 61.3223, 45.6933 looks on a white background.

Color Contrast Check

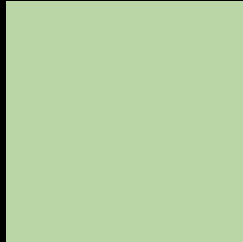
Large Text (above 18pt) WCAG AA × Fail

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 51.2713, 61.3223, 45.6933 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 51.2713, 61.3223, 45.6933

Background



This preview shows how black text looks on a background with the XYZ color 51.2713, 61.3223, 45.6933.



This preview shows how white text looks on a background with the XYZ color 51.2713, 61.3223,

45.6933.

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

51.2713, 61.3223, 45.6933

Protanopia

57.3556, 61.2124, 43.4425

Deuteranopia

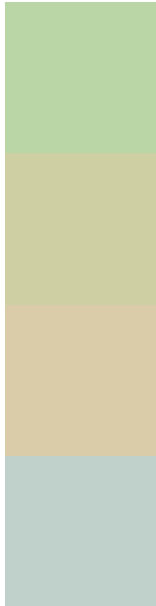
62.1470, 60.8393, 46.4979



Tritanopia

57.8963, 61.0724, 78.5487

Trichromacy



Original Color

51.2713, 61.3223, 45.6933

Protanomaly

54.7103, 60.9139, 43.9960

Deuteranomaly

57.4308, 60.4819, 46.1834

Tritanomaly

55.3182, 61.1192, 65.3815

Monochromacy



Original Color

51.2713, 61.3223, 45.6933

Achromatopsia

54.8990, 57.7580, 62.8985

Achromatomaly

53.4141, 58.8956, 56.1297

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.2713, 61.3223, 45.6933 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(186, 214, 167)` looks like.

```
.text, #text, p{  
    color:rgb(186, 214, 167)  
}
```

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(186, 214, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 214, 167) }
```

Border

The CSS property to change the border of an element to XYZ 51.2713, 61.3223, 45.6933 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(186, 214, 167) }
```


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

```
.border{ border-color:rgb(186, 214, 167) }
```

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

Here you see how a box with a 4 pixel rgb(186, 214, 167) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 214, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 214, 167);  
box-shadow:4px 4px 4px 4px rgb(186, 214,  
167) }
```

Background

The CSS property to change the background color of an element to XYZ 51.2713, 61.3223, 45.6933 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 214, 167) }
```

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

```
.background{ background-color: rgb(186,  
214, 167) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor