

Converting Colors

XYZ(53.5227, 64.8068, 45.5362)

Have a look what the booklet for
XYZ(53.5227, 64.8068, 45.5362)
contains.

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Color

**XYZ(53.4624, 64.7584,
45.7582)**

Conversions

Conversions Part 1

Format	Color
Hex	BDDCA6
RGB	189, 220, 166
RGB Percent	74%, 86%, 65%
CMY	0.2588, 0.1372, 0.3490
CMYK	0.14, 0.00, 0.25, 0.14
HSL	94°, 44%, 76%
HSV	94°, 25%, 86%
XYZ	53.4624, 64.7584, 45.7582
YIQ	204.5750, -1.1420, -23.3660

Conversions

Conversions Part 2

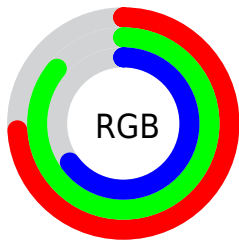
Format	Color
R _{YB}	166, 220, 197
Decimal	12442790
CIE Lab	84.36, -19.85, 23.23
CIE LCh	84, 30.549, 130.512
Yxy	64.7584, 0.3260, 0.3949
Android (android.graphics.Color)	4290632870 (0xFFBDDCA6)
YUV	204.5750, -19.0175, -13.6593
Hunter-Lab	80.4726, -22.2396, 22.6174

Details

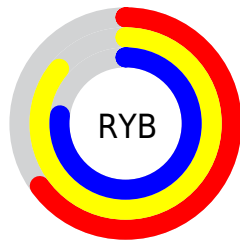
The XYZ color **53.4624, 64.7584, 45.7582** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **49.5831, 44.3118, 73.6534**, and the grayscale version is **57.8773, 60.8914, 66.3107**.

A 20% lighter version of the original color is **86.8172, 96.3333, 82.4250**, and **26.4841, 33.2761, 20.9467** is the 20% darker color. If you saturate the color by 10%, you get **48.6169, 62.4760, 35.8828**, and if you desaturate by 10%, it is **58.9295, 67.3252, 57.4675**.

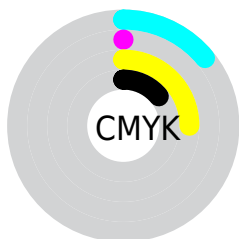
Distribution



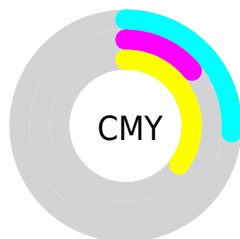
- Red (74%)
- Green (86%)
- Blue (65%)



- Red (65%)
- Yellow (86%)
- Blue (77%)



- Cyan (14%)
- Magenta (0%)
- Yellow (25%)
- Black (14%)





- Cyan (26%)
- Magenta (14%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 53.4624, 64.7584, 45.7582 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 53.4624, 64.7584, 45.7582 by changing the saturation by 10% instead.

 53.4624, 64.7584,
45.7582


 53.4624, 64.7584,
45.7582


390.2885,
441.9233, 386.0850

 38.4010, 47.2652,
31.7078


 94.4460, 111.7024,
85.1875

 26.4727, 33.2454,
20.8754


 121.0988,
141.9221, 111.4034

 17.3121, 22.3145,
12.8426


152.3462,
177.1526, 142.5116

 10.5540, 14.0882,
7.1908

188.5535,
217.7785, 178.9305

 5.8328, 8.1820,
3.5015

230.0860,
264.1841, 221.0788

 2.7834, 4.2116,
1.3560

277.3091,

 1.0403, 1.7926,

316.7539, 269.3749

0.1071

330.5882,
375.8721, 324.2375

0.0000, 0.4826,
0.0000

0.0000, 0.0000,
0.0000

53.4624, 64.7584,
45.7582

53.4624, 64.7584,
45.7582

48.6169, 62.4760,
35.8828

58.9295, 67.3252,
57.4675

44.3634, 60.4590,
27.7442

65.0360, 70.1780,
71.0926

40.6774, 58.6988,
21.2428

71.8055, 73.3290,
86.7158

37.5300, 57.1832,
16.2671

79.2585, 76.7872,
104.4132

■ 34.8898, 55.8985,
12.6919

■ 83.8457, 79.1335,
105.4629

■ 32.7210, 54.8295,
10.3719

■ 84.8845, 79.6690,
105.5115

■ 30.9813, 53.9584,
9.1299

■ 30.1795, 53.5527,
8.7461

Harmonies

Analogous

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



59.2022, 64.7584, 39.7964



53.4624, 64.7584, 45.7582



50.0579, 64.7584, 58.7714

Triad

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



53.4624, 64.7584, 45.7582



57.3023, 64.7584, 111.9030



75.2833, 64.7584, 63.9141

Complementary

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



53.4624, 64.7584, 45.7582



49.5831, 44.3118, 73.6534

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.



74.6809, 64.7584, 83.7180



53.4624, 64.7584, 45.7582



63.9609, 64.7584, 113.9736

Square

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



53.4624, 64.7584, 45.7582



52.1596, 64.7584, 97.6607



70.4167, 64.7584, 102.8859



72.0069, 64.7584, 48.9261

Rectangle

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



53.4624, 64.7584, 45.7582



49.4102, 64.7584, 70.8455



70.4167, 64.7584, 102.8859



75.5333, 64.7584, 70.1774

Sweetspot

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



53.4641, 64.7612, 45.7596



88.6377, 97.0111, 94.2890



56.2762, 57.7224, 44.2528



18.8584, 20.7113, 19.9260



0.0000, 0.0000, 0.0000



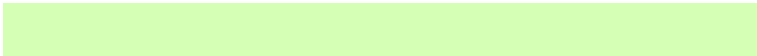
20.3446, 21.4041, 23.3091

Same Dimension

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



53.4641, 64.7612, 45.7596



71.4141, 88.9363, 57.1455



48.5389, 62.1835, 47.2775



13.4096, 14.8759, 13.8902



17.8327, 31.4906, 5.1384



1.2525, 2.0902, 0.3374

Inverse Universe

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



49.5831, 44.3118, 73.6534



65.1717, 56.0566, 101.9928



55.6004, 47.4684, 71.4724



13.0509, 12.9843, 16.4705



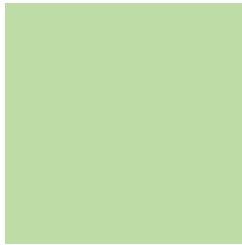
12.7877, 5.7165, 40.1678



0.9262, 0.4207, 2.6068

Previews

White Background



This preview shows how the XYZ color 53.4624, 64.7584, 45.7582 looks on a white background.

Color Contrast Check

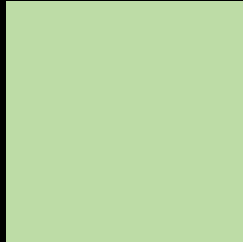
Large Text (above 18pt) WCAG AA × Fail

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 53.4624, 64.7584, 45.7582 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

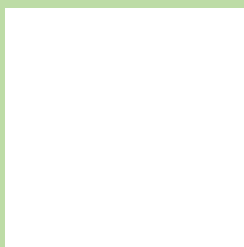
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 53.4624, 64.7584, 45.7582

Background



This preview shows how black text looks on a background with the XYZ color 53.4624, 64.7584, 45.7582.



This preview shows how white text looks on a background with the XYZ color 53.4624, 64.7584,

45.7582.

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

53.4624, 64.7584, 45.7582

Protanopia

60.2201, 64.5137, 42.9967

Deuteranopia

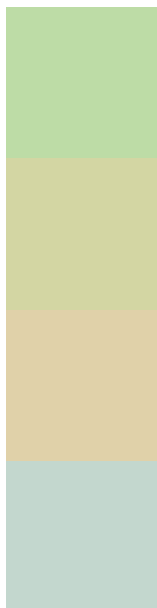
65.6845, 64.3764, 46.9942



Tritanopia

61.2395, 64.8862, 83.4254

Trichromacy



Original Color

53.4624, 64.7584, 45.7582

Protanomaly

57.5214, 64.5864, 44.0850

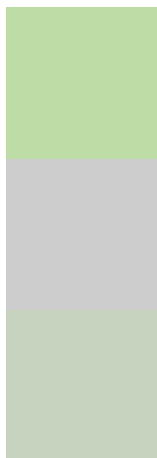
Deuteranomaly

60.7024, 64.3128, 46.7504

Tritanomaly

57.9467, 64.6592, 67.8189

Monochromacy



Original Color

53.4624, 64.7584, 45.7582

Achromatopsia

58.0276, 61.0496, 66.4830

Achromatomaly

56.0038, 61.9969, 58.3051

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.4624, 64.7584, 45.7582 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(189, 220, 166)` looks like.

```
.text, #text, p{  
    color:rgb(189, 220, 166)  
}
```

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(189, 220, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 220, 166) }
```

Border

The CSS property to change the border of an element to XYZ 53.4624, 64.7584, 45.7582 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(189, 220, 166) }
```


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

```
.border{ border-color:rgb(189, 220, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 220, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 220, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 220, 166);  
box-shadow:4px 4px 4px 4px rgb(189, 220,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 53.4624, 64.7584, 45.7582 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 220, 166) }
```

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

```
.background{ background-color: rgb(189,  
220, 166) }
```

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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