

Converting Colors

XYZ(53.2437, 64.3895, 44.9695)

Have a look what the booklet for
XYZ(53.2437, 64.3895, 44.9695)
contains.

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Color

**XYZ(53.0186, 64.1622,
44.7121)**

Conversions

Conversions Part 1

Format	Color
Hex	BDDBA4
RGB	189, 219, 164
RGB Percent	74%, 86%, 64%
CMY	0.2588, 0.1412, 0.3569
CMYK	0.14, 0.00, 0.25, 0.14
HSL	93°, 43%, 75%
HSV	93°, 25%, 86%
XYZ	53.0186, 64.1622, 44.7121
YIQ	203.7600, -0.2250, -23.4650

Conversions

Conversions Part 2

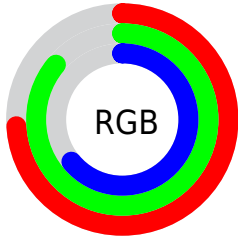
Format	Color
RYB	164, 219, 194
Decimal	12442532
CIELab	84.05, -19.66, 23.84
CIELCh	84, 30.903, 129.506
Yxy	64.1622, 0.3275, 0.3963
Android (android.graphics.Color)	4290632612 (0xFFBDDBA4)
YUV	203.7600, -19.6017, -12.9445
Hunter-Lab	80.1013, -22.0292, 22.9756

Details

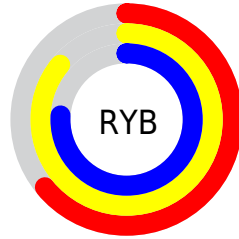
The XYZ color **53.0186, 64.1622, 44.7121** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **48.3124, 43.1365, 72.8012**, and the grayscale version is **57.3643, 60.3518, 65.7231**.

A 20% lighter version of the original color is **86.5522, 96.2273, 81.0298**, and **26.1918, 32.8717, 20.2936** is the 20% darker color. If you saturate the color by 10%, you get **48.3667, 61.9752, 35.0443**, and if you desaturate by 10%, it is **58.2587, 66.6169, 56.1878**.

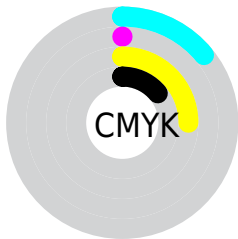
Distribution



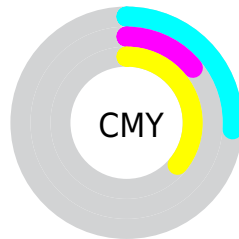
- Red (74%)
- Green (86%)
- Blue (64%)



- Red (64%)
- Yellow (86%)
- Blue (76%)



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



- Cyan (26%)
- Magenta (14%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 53.0186, 64.1622, 44.7121 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 53.0186, 64.1622, 44.7121 by changing the saturation by 10% instead.

■ 53.0186, 64.1622,
44.7121

■ 53.0186, 64.1622,
44.7121

388.6162,
439.7751, 381.7324

■ 38.0452, 46.7821,
30.8894

■ 93.7971, 110.8445,
83.6021

■ 26.1951, 32.8634,
20.2569

■ 120.3329,
140.9154, 109.5065

■ 17.1031, 22.0218,
12.3960

151.4535,
175.9854, 140.2752

■ 10.4038, 13.8729,
6.8882

187.5242,
216.4389, 176.3267

■ 5.7318, 8.0323,
3.3149

228.9105,
262.6602, 218.0797

■ 2.7218, 4.1156,
1.2576


275.9777,

■ 1.0084, 1.7385,


315.0337, 265.9526


0.0266

329.0911,
373.9439, 320.3640

 0.0000, 0.4484,
0.0000

 0.0000, 0.0000,
0.0000


 53.0186, 64.1622,
44.7121


 53.0186, 64.1622,
44.7121


 48.3667, 61.9752,
35.0443


 58.2587, 66.6169,
56.1878


 44.2745, 60.0374,
27.0882

 64.1037, 69.3404,
69.5529

 40.7188, 58.3411,
20.7446

 70.5760, 72.3442,
84.8888

 37.6721, 56.8745,
15.9029

 77.6951, 75.6369,
102.2712

■ 35.1043, 55.6248,
12.4383

■ 82.3553, 77.9767,
105.3182

■ 32.9809, 54.5773,
10.2058

■ 84.6228, 79.1457,
105.4243

■ 31.2611, 53.7150,
9.0279

■ 30.5373, 53.3487,
8.6878

Harmonies

Analogous

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



58.8447, 64.1622, 38.9884



53.0186, 64.1622, 44.7121



49.5098, 64.1622, 57.5235

Triad

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



53.0186, 64.1622, 44.7121



56.5084, 64.1622, 111.2636



74.8497, 64.1622, 63.8428

Complementary

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



53.0186, 64.1622, 44.7121



48.3124, 43.1365, 72.8012

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.



74.1073, 64.1622, 83.8490



53.0186, 64.1622, 44.7121



63.1750, 64.1622, 113.8208

Square

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



53.0186, 64.1622, 44.7121



51.4179, 64.1622, 96.5725



69.7103, 64.1622, 103.0198



71.6691, 64.1622, 48.5951

Rectangle

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



53.0186, 64.1622, 44.7121



48.7916, 64.1622, 69.5383



69.7103, 64.1622, 103.0198



75.0557, 64.1622, 70.1862

Sweetspot

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



53.0203, 64.1650, 44.7135



87.9614, 96.7052, 92.3245



55.0605, 56.0303, 43.0358



18.5558, 20.5724, 19.1372



0.0000, 0.0000, 0.0000



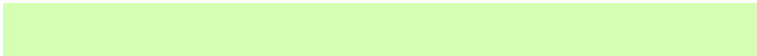
20.3446, 21.4041, 23.3091

Same Dimension

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



53.0203, 64.1650, 44.7135



71.3648, 88.9409, 55.7891



47.5109, 61.3055, 45.3263



13.4459, 14.8946, 13.8918



18.2290, 31.6949, 5.1570



1.2794, 2.1041, 0.3387

Inverse Universe

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



48.3124, 43.1365, 72.8012



63.6553, 54.5119, 101.7746



55.0375, 46.6312, 71.8627



13.0141, 12.9654, 16.4688



12.2585, 5.4437, 40.1430



0.8930, 0.4036, 2.6053

Previews

White Background



This preview shows how the XYZ color 53.0186, 64.1622, 44.7121 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 53.0186, 64.1622, 44.7121 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

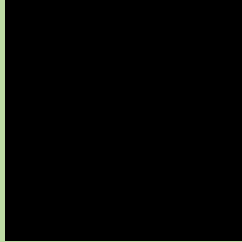
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

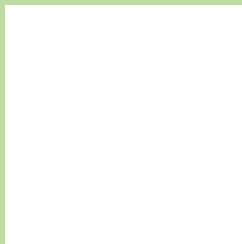
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 53.0186, 64.1622, 44.7121

Background



This preview shows how black text looks on a background with the XYZ color 53.0186, 64.1622, 44.7121.



This preview shows how white text looks on a background with the XYZ color 53.0186, 64.1622, 44.7121.

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

53.0186, 64.1622, 44.7121

Protanopia

59.7989, 63.9514, 41.9930

Deuteranopia

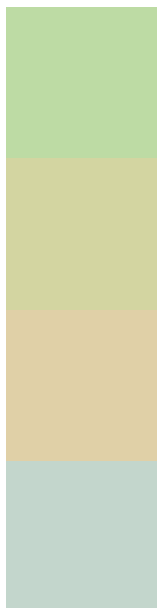
65.2628, 63.8335, 45.9272



Tritanopia

60.7126, 64.2767, 81.8798

Trichromacy



Original Color

53.0186, 64.1622, 44.7121

Protanomaly

57.0912, 64.0106, 43.0645

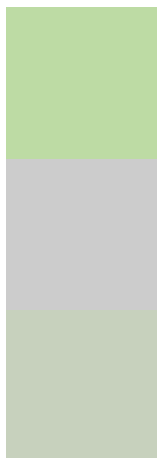
Deuteranomaly

60.2714, 63.7491, 45.6874

Tritanomaly

57.4513, 64.0549, 66.4626

Monochromacy



Original Color

53.0186, 64.1622, 44.7121

Achromatopsia

57.3938, 60.3827, 65.7568

Achromatomaly

55.5390, 61.4172, 57.0716

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.0186, 64.1622, 44.7121 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, 219, 164)` looks like.

```
.text, #text, p{  
    color:rgb(189, 219, 164)  
}
```

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, 219, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 219, 164) }
```

Border

The CSS property to change the border of an element to XYZ 53.0186, 64.1622, 44.7121 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, 219, 164) }
```


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

```
.border{ border-color:rgb(189, 219, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 219, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 219, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 219, 164);  
box-shadow:4px 4px 4px 4px rgb(189, 219,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 53.0186, 64.1622, 44.7121 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 219, 164) }
```

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

```
.background{ background-color: rgb(189,  
219, 164) }
```

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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