

Converting Colors

XYZ(52.9484, 63.8211, 44.7831)

Have a look what the booklet for
XYZ(52.9484, 63.8211, 44.7831)
contains.

XYZ(52.7585, 63.6420, 44.6254)	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(52.7585, 63.6420,
44.6254)**

Conversions

Conversions Part 1

Format	Color
Hex	BDDAA4
RGB	189, 218, 164
RGB Percent	74%, 85%, 64%
CMY	0.2588, 0.1451, 0.3569
CMYK	0.13, 0.00, 0.25, 0.15
HSL	92°, 42%, 75%
HSV	92°, 25%, 85%
XYZ	52.7585, 63.6420, 44.6254
YIQ	203.1730, 0.0500, -22.9420

Conversions

Conversions Part 2

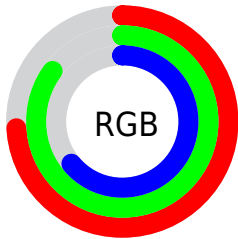
Format	Color
RYB	164, 218, 193
Decimal	12442276
CIELab	83.78, -19.16, 23.47
CIELCh	84, 30.302, 129.231
Yxy	63.6420, 0.3276, 0.3952
Android (android.graphics.Color)	4290632356 (0xFFBDDAA4)
YUV	203.1730, -19.3123, -12.4297
Hunter-Lab	79.7759, -21.5599, 22.6773

Details

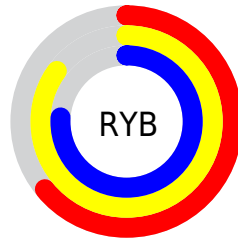
The XYZ color **52.7585, 63.6420, 44.6254** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **47.9253, 42.9521, 72.0978**, and the grayscale version is **56.9924, 59.9605, 65.2969**.

A 20% lighter version of the original color is **86.5522, 96.2273, 81.0298**, and **26.0135, 32.5151, 20.2342** is the 20% darker color. If you saturate the color by 10%, you get **48.1684, 61.4859, 34.9998**, and if you desaturate by 10%, it is **57.9240, 66.0595, 56.0422**.

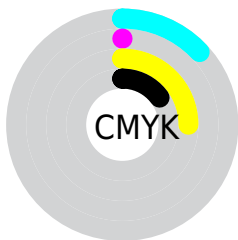
Distribution



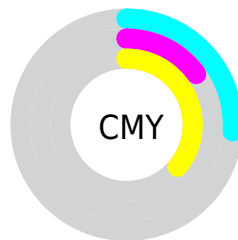
- Red (74%)
- Green (85%)
- Blue (64%)



- Red (64%)
- Yellow (85%)
- Blue (76%)



- Cyan (13%)
- Magenta (0%)
- Yellow (25%)
- Black (15%)





- Cyan (26%)
- Magenta (15%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.7585, 63.6420, 44.6254 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 52.7585, 63.6420, 44.6254 by changing the saturation by 10% instead.


 52.7585, 63.6420,
44.6254


 52.7585, 63.6420,
44.6254


387.6339,
437.8957, 381.3701

 37.8367, 46.3608,
30.8217


 93.4165, 110.0952,
83.4705

 26.0326, 32.5306,
20.2058


 119.8835,
140.0360, 109.3489

 16.9809, 21.7671,
12.3591


150.9296,
174.9654, 140.0893

 10.3161, 13.6859,
6.8633

186.9201,
215.2678, 176.1103

 5.6729, 7.9025,
3.2996

228.2204,
261.3276, 217.8303

 2.6860, 4.0326,
1.2496

275.1960,

 0.9900, 1.6918,

313.5293, 265.6679

0.0199

328.2120,
372.2572, 320.0416

■ 0.0000, 0.4184,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 52.7585, 63.6420,
44.6254

■ 52.7585, 63.6420,
44.6254

■ 48.1684, 61.4859,
34.9998

■ 57.9240, 66.0595,
56.0422

■ 44.1259, 59.5733,
27.0702

■ 63.6812, 68.7393,
69.3304

■ 40.6083, 57.8964,
20.7393

■ 70.0519, 71.6928,
84.5704

■ 37.5889, 56.4439,
15.8978

■ 77.0551, 74.9282,
101.8368

■ 35.0384, 55.2033,
12.4229

■ 81.6729, 77.2388,
105.2117

■ 32.9232, 54.1605,
10.1723

■ 84.3627, 78.6255,
105.3376

■ 31.2036, 53.2988,
8.9719

■ 30.4303, 52.9074,
8.6083

Harmonies

Analogous

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



58.4619, 63.6420, 39.0719



52.7585, 63.6420, 44.6254



49.3052, 63.6420, 57.1049

Triad

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



52.7585, 63.6420, 44.6254



56.0683, 63.6420, 109.4815



74.0079, 63.6420, 63.5858

Complementary

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



52.7585, 63.6420, 44.6254



47.9253, 42.9521, 72.0978

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.



73.2495, 63.6420, 83.1078



52.7585, 63.6420, 44.6254



62.5641, 63.6420, 112.0864

Square

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



52.7585, 63.6420, 44.6254



51.1166, 63.6420, 95.1295



68.9418, 63.6420, 101.7051



70.9440, 63.6420, 48.6209

Rectangle

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



52.7585, 63.6420, 44.6254



48.5848, 63.6420, 68.8050



68.9418, 63.6420, 101.7051



74.1962, 63.6420, 69.7880

Sweetspot

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



52.7602, 63.6448, 44.6268



88.8684, 97.1300, 94.2998



54.6426, 55.6398, 42.9824



18.9118, 20.7388, 19.9285



0.0000, 0.0000, 0.0000



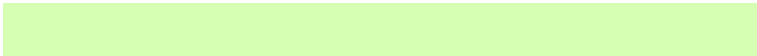
20.3446, 21.4041, 23.3091

Same Dimension

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



52.7602, 63.6448, 44.6268



71.5523, 89.0375, 55.7979



47.2478, 60.7841, 45.2235



13.4565, 14.9001, 13.8923



18.3514, 31.7580, 5.1627



1.2876, 2.1083, 0.3391

Inverse Universe

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



47.9253, 42.9521, 72.0978



63.4605, 54.4115, 101.7655



54.6120, 46.4263, 71.1876



13.0033, 12.9598, 16.4683



12.1091, 5.3667, 40.1360



0.8836, 0.3988, 2.6048

Previews

White Background



This preview shows how the XYZ color 52.7585, 63.6420, 44.6254 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 52.7585, 63.6420, 44.6254 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

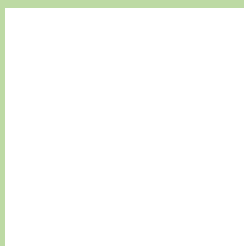
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 52.7585, 63.6420, 44.6254

Background



This preview shows how black text looks on a background with the XYZ color 52.7585, 63.6420, 44.6254.



This preview shows how white text looks on a background with the XYZ color 52.7585, 63.6420,

44.6254.

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

52.7585, 63.6420, 44.6254

Protanopia

59.2453, 63.3029, 41.8970

Deuteranopia

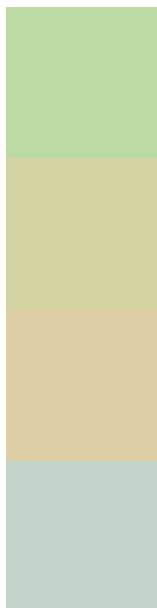
64.6843, 63.1904, 45.8335



Tritanopia

60.0628, 63.5899, 81.0599

Trichromacy



Original Color

52.7585, 63.6420, 44.6254

Protanomaly

56.8405, 63.5091, 42.9809

Deuteranomaly

59.7193, 63.1036, 45.5919

Tritanomaly

57.0794, 63.5024, 65.7487

Monochromacy



Original Color

52.7585, 63.6420, 44.6254

Achromatopsia

56.7640, 59.7202, 65.0353

Achromatomaly

55.0299, 60.7916, 56.9777

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.7585, 63.6420, 44.6254 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, 218, 164)` looks like.

```
.text, #text, p{  
    color:rgb(189, 218, 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, 218, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 218, 164) }
```

Border

The CSS property to change the border of an element to XYZ 52.7585, 63.6420, 44.6254 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, 218, 164) }
```


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

```
.border{ border-color:rgb(189, 218, 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, 218, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 218, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 218, 164);  
box-shadow:4px 4px 4px 4px rgb(189, 218,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 52.7585, 63.6420, 44.6254 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 218, 164) }
```

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

```
.background{ background-color: rgb(189,  
218, 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](#).

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