

Converting Colors

XYZ(44.2193, 49.5589, 33.2223)

Have a look what the booklet for
XYZ(44.2193, 49.5589, 33.2223)
contains.

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Color

**XYZ(44.1104, 49.5014,
33.2165)**

Conversions

Conversions Part 1

Format	Color
Hex	BCBE8F
RGB	188, 190, 143
RGB Percent	74%, 75%, 56%
CMY	0.2627, 0.2549, 0.4392
CMYK	0.01, 0.00, 0.25, 0.25
HSL	63°, 27%, 65%
HSV	63°, 25%, 75%
XYZ	44.1104, 49.5014, 33.2165
YIQ	184.0440, 13.8950, -15.0410

Conversions

Conversions Part 2

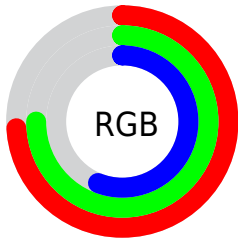
Format	Color
R_{YB}	143, 190, 145
Decimal	12369551
CIE _{Lab}	75.76, -8.41, 23.57
CIE _{LCh}	76, 25.031, 109.642
Yxy	49.5014, 0.3478, 0.3903
Android (android.graphics.Color)	4290559631 (0xFFBCBE8F)
YUV	184.0440, -20.2347, 3.4694
Hunter-Lab	70.3572, -11.2147, 21.2585

Details

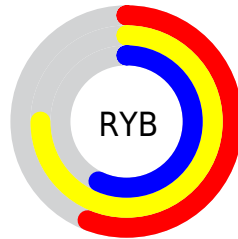
The XYZ color **44.1104, 49.5014, 33.2165** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **30.7957, 29.3837, 52.7664**, and the grayscale version is **45.6882, 48.0676, 52.3456**.

A 20% lighter version of the original color is **80.6900, 89.3552, 65.8178**, and **20.7089, 23.7324, 13.6145** is the 20% darker color. If you saturate the color by 10%, you get **42.5927, 48.8730, 26.2578**, and if you desaturate by 10%, it is **45.8756, 50.2323, 41.4614**.

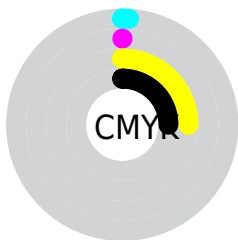
Distribution



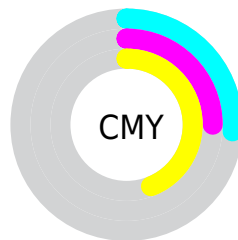
- Red (74%)
- Green (75%)
- Blue (56%)



- Red (56%)
- Yellow (75%)
- Blue (57%)



- Cyan (1%)
- Magenta (0%)
- Yellow (25%)
- Black (25%)



- Cyan (26%)
- Magenta (25%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 44.1104, 49.5014, 33.2165 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 44.1104, 49.5014, 33.2165 by changing the saturation by 10% instead.

■ 44.1104, 49.5014,
33.2165

■ 44.1104, 49.5014,
33.2165

354.0032,
384.7129, 331.2860

■ 30.9556, 35.0174,
22.0199

■ 80.6292, 89.4357,
65.8333

■ 20.7167, 23.6763,
13.6730

■ 104.7238,
115.6548, 88.0905

■ 13.0284, 15.0937,
7.7575

133.1958,
146.5543, 114.8718

■ 7.5252, 8.8851,
3.8546

166.4105,
182.5187, 146.5955

■ 3.8419, 4.6663,
1.5459

204.7332,
223.9324, 183.6802

■ 1.6131, 2.0529,
0.2518

248.5293,

■ 0.4009, 0.6379,

271.1797, 226.5445

0.0000

298.1642,
324.6451, 275.6070

■ 0.0000, 0.0000,
0.0000

■ 44.1104, 49.5014,
33.2165

■ 44.1104, 49.5014,
33.2165

■ 42.5927, 48.8730,
26.2578

■ 45.8756, 50.2323,
41.4614

■ 41.3064, 48.3357,
20.5175

■ 47.8959, 51.0637,
51.0495

■ 40.2395, 47.8861,
15.9263

■ 50.1833, 52.0020,
62.0380

■ 39.3772, 47.5186,
12.4068

■ 52.7478, 53.0513,
74.4802

■ 38.7029, 47.2264,
9.8720

■ 55.5990, 54.2155,
88.4264

■ 38.1977, 47.0020,
8.2214

■ 58.4216, 55.3683,
102.2157

■ 37.8384, 46.8360,
7.3331

■ 58.6286, 55.4750,
102.2254

■ 37.6828, 46.7622,
7.0399

■ 58.8366, 55.5822,
102.2352

■ 59.0459, 55.6901,
102.2450

Harmonies

Analogous

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



48.6741, 49.5014, 32.4465



44.1104, 49.5014, 33.2165



40.5658, 49.5014, 38.9716

Triad

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



44.1104, 49.5014, 33.2165



41.4989, 49.5014, 75.8375



56.3951, 49.5014, 58.6305

Complementary

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



44.1104, 49.5014, 33.2165



30.7957, 29.3837, 52.7664

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.



54.1899, 49.5014, 72.2202



44.1104, 49.5014, 33.2165



45.4617, 49.5014, 83.1841

Square

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



44.1104, 49.5014, 33.2165



39.1281, 49.5014, 62.9633



50.1165, 49.5014, 81.7611



55.9739, 49.5014, 45.7486

Rectangle

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



44.1104, 49.5014, 33.2165



39.1619, 49.5014, 45.4796



50.1165, 49.5014, 81.7611



55.9310, 49.5014, 63.2973

Sweetspot

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



44.1117, 49.5036, 33.2175



85.8768, 92.1546, 88.1505



36.2541, 33.0502, 30.4559



18.8072, 20.2155, 19.1165



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



44.1117, 49.5036, 33.2175



78.2974, 89.0249, 52.6656



38.8764, 46.8047, 32.9725



10.2809, 11.0992, 10.1771



25.0730, 31.1015, 4.6817



0.9947, 1.2247, 0.1840

Inverse Universe

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



30.7957, 29.3837, 52.7664



49.7885, 45.9460, 94.5235



35.2809, 31.6959, 52.9763



9.0531, 9.2443, 11.9794



6.2646, 2.5156, 32.5483



0.2584, 0.1053, 1.2756

Previews

White Background



This preview shows how the XYZ color 44.1104, 49.5014, 33.2165 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 44.1104, 49.5014, 33.2165 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

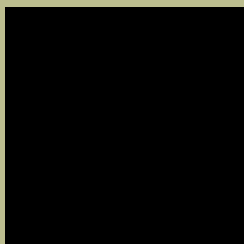
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

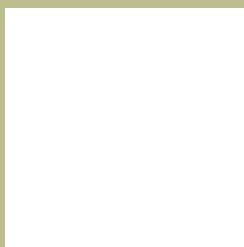
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 44.1104, 49.5014, 33.2165

Background



This preview shows how black text looks on a background with the XYZ color 44.1104, 49.5014, 33.2165.



This preview shows how white text looks on a background with the XYZ color 44.1104, 49.5014,

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

44.1104, 49.5014, 33.2165

Protanopia

46.1860, 49.3203, 32.2848

Deuteranopia

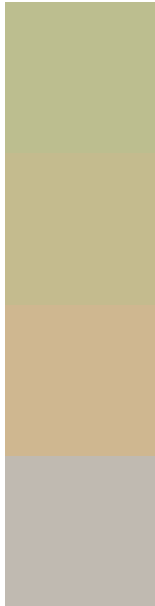
50.1444, 49.1900, 33.6398



Tritanopia

49.5172, 49.5003, 59.7680

Trichromacy



Original Color

44.1104, 49.5014, 33.2165

Protanomaly

45.4178, 49.2294, 32.6996

Deuteranomaly

47.6997, 49.1460, 33.3576

Tritanomaly

47.2329, 49.4986, 48.6597

Monochromacy



Original Color

44.1104, 49.5014, 33.2165

Achromatopsia

45.5594, 47.9320, 52.1980

Achromatomaly

44.7279, 48.2967, 44.5009

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.1104, 49.5014, 33.2165 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(188, 190, 143)` looks like.

```
.text, #text, p{  
    color:rgb(188, 190, 143)  
}
```

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(188, 190, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 190, 143) }
```

Border

The CSS property to change the border of an element to XYZ 44.1104, 49.5014, 33.2165 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(188, 190, 143) }
```


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

```
.border{ border-color:rgb(188, 190, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 190, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 190, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 190, 143);  
box-shadow:4px 4px 4px 4px rgb(188, 190,  
143) }
```

Background

The CSS property to change the background color of an element to XYZ 44.1104, 49.5014, 33.2165 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 190, 143) }
```

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

```
.background{ background-color: rgb(188,  
190, 143) }
```

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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