

Converting Colors

XYZ(45.4066, 49.8872, 37.7688)

Have a look what the booklet for
XYZ(45.4066, 49.8872, 37.7688)
contains.

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Color

**XYZ(45.2655, 49.6754,
37.7744)**

Conversions

Conversions Part 1

Format	Color
Hex	BEBD9A
RGB	190, 189, 154
RGB Percent	75%, 74%, 60%
CMY	0.2549, 0.2588, 0.3961
CMYK	0.00, 0.01, 0.19, 0.25
HSL	58°, 22%, 67%
HSV	58°, 19%, 75%
XYZ	45.2655, 49.6754, 37.7744
YIQ	185.3090, 11.8310, -10.6730

Conversions

Conversions Part 2

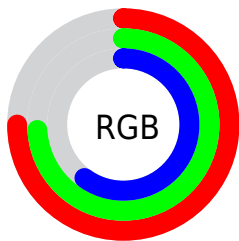
Format	Color
R_{YB}	155, 190, 154
Decimal	12500378
CIE _{Lab}	75.87, -5.53, 17.86
CIE _{LCh}	76, 18.699, 107.192
Yxy	49.6754, 0.3411, 0.3743
Android (android.graphics.Color)	4290690458 (0xFFBEBD9A)
YUV	185.3090, -15.4353, 4.1140
Hunter-Lab	70.4808, -8.7017, 17.5599

Details

The XYZ color **45.2655, 49.6754, 37.7744** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **34.3419, 34.0297, 53.4738**, and the grayscale version is **46.3659, 48.7805, 53.1220**.

A 20% lighter version of the original color is **82.3953, 89.6330, 72.6327**, and **21.4057, 23.8218, 16.3018** is the 20% darker color. If you saturate the color by 10%, you get **43.6944, 48.8681, 30.0518**, and if you desaturate by 10%, it is **47.0902, 50.5882, 46.8186**.

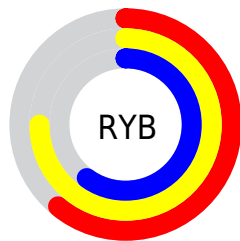
Distribution



Red (75%)

Green (74%)

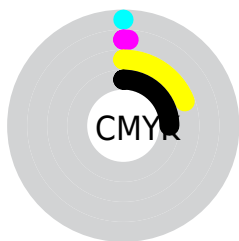
Blue (60%)



Red (61%)

Yellow (75%)

Blue (60%)

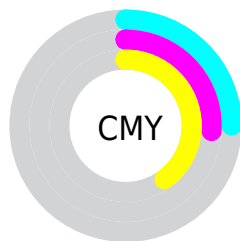


Cyan (0%)

Magenta (1%)

Yellow (19%)

Black (25%)



Cyan (25%)


Magenta (26%)


Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.2655, 49.6754, 37.7744 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 45.2655, 49.6754, 37.7744 by changing the saturation by 10% instead.


 45.2655, 49.6754,
37.7744


 45.2655, 49.6754,
37.7744


358.6134,
385.3952, 351.9203

 31.8688, 35.1555,
25.5072


 82.3533, 89.6937,
72.9618

 21.4163, 23.7827,
16.2329


 106.7751,
115.9610, 96.7191

 13.5429, 15.1725,
9.5329


135.6026,
146.9129, 125.1434

 7.8830, 8.9406,
4.9889

169.2012,
182.9338, 158.6534

 4.0713, 4.7024,
2.1821

207.9362,
224.4081, 197.6675

 1.7426, 2.0737,
0.6640

252.1730,

 0.4827, 0.6498,

271.7201, 242.6044

0.0000

302.2769,
325.2544, 293.8825

■ 0.0000, 0.0000,
0.0000

■ 45.2655, 49.6754,
37.7744

■ 45.2655, 49.6754,
37.7744

■ 43.6944, 48.8681,
30.0518

■ 47.0902, 50.5882,
46.8186

■ 42.3611, 48.1549,
23.5856

■ 49.1755, 51.6041,
57.2389

■ 41.2544, 47.5329,
18.3101

■ 51.5330, 52.7297,
69.0909

■ 40.3602, 46.9967,
14.1520

■ 54.1726, 53.9687,
82.4260

■ 39.6633, 46.5400,
11.0305

■ 57.1035, 55.3249,
97.2931

■ 39.1460, 46.1558,
8.8533

■ 58.1696, 55.9358,
102.3386

■ 38.7880, 45.8359,
7.5124

■ 58.2853, 56.1673,
102.3771

■ 38.5536, 45.5662,
6.8206

■ 58.4015, 56.3995,
102.4159

■ 38.5311, 45.5387,
6.7590

■ 58.5180, 56.6326,
102.4547

Harmonies

Analogous

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



48.7134, 49.6754, 37.4767



45.2655, 49.6754, 37.7744



42.4760, 49.6754, 42.0871

Triad

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



45.2655, 49.6754, 37.7744



42.8140, 49.6754, 69.3935



54.0421, 49.6754, 58.4469

Complementary

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



45.2655, 49.6754, 37.7744



34.3419, 34.0297, 53.4738

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.



52.2939, 49.6754, 68.1776



45.2655, 49.6754, 37.7744



45.7476, 49.6754, 74.9999

Square

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



45.2655, 49.6754, 37.7744



41.1091, 49.6754, 59.9497



49.2196, 49.6754, 74.5294



53.8974, 49.6754, 48.6215

Rectangle

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



45.2655, 49.6754, 37.7744



41.3138, 49.6754, 46.9969



49.2196, 49.6754, 74.5294



53.6529, 49.6754, 61.8588

Sweetspot

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



45.2668, 49.6776, 37.7755



86.3615, 92.1776, 89.9639



38.7245, 36.4323, 36.0903



18.9111, 20.2153, 19.4904



92.9021, 97.7402, 106.4391



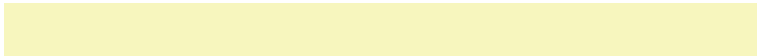
19.4759, 20.4902, 22.3138

Same Dimension

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



45.2668, 49.6776, 37.7755



80.7137, 89.3513, 61.9714



41.5245, 48.0674, 37.6619



10.2990, 11.0740, 10.1713



25.6309, 30.3005, 4.4977



1.0112, 1.2013, 0.1786

Inverse Universe

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



34.3419, 34.0297, 53.4738



57.0496, 55.4572, 95.9766



37.6015, 35.4650, 53.5791



9.0371, 9.2665, 11.9845



6.2276, 2.5670, 32.5601



0.2513, 0.1152, 1.2778

Previews

White Background



This preview shows how the XYZ color 45.2655, 49.6754, 37.7744 looks on a white background.

Color Contrast Check

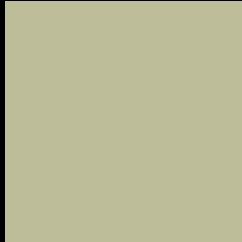
Large Text (above 18pt) WCAG AA × Fail

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 45.2655, 49.6754, 37.7744 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

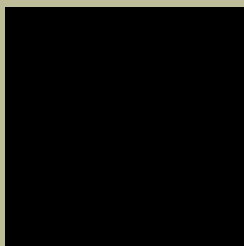
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

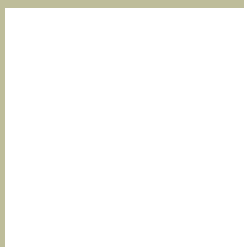
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.2655, 49.6754, 37.7744

Background



This preview shows how black text looks on a background with the XYZ color 45.2655, 49.6754, 37.7744.



This preview shows how white text looks on a background with the XYZ color 45.2655, 49.6754,

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

45.2655, 49.6754, 37.7744

Protanopia

46.8088, 49.8463, 37.2912

Deuteranopia

50.6409, 49.6417, 38.3652



Tritanopia

49.7765, 49.6340, 59.7801

Trichromacy



Original Color

45.2655, 49.6754, 37.7744

Protanomaly

46.2387, 49.8684, 37.3255

Deuteranomaly

48.5820, 49.4989, 38.0040

Tritanomaly

47.9376, 49.5035, 50.7446

Monochromacy



Original Color

45.2655, 49.6754, 37.7744

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

45.6924, 48.7386, 47.0436

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.2655, 49.6754, 37.7744 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(190, 189, 154)` looks like.

```
.text, #text, p{  
    color:rgb(190, 189, 154)  
}
```

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(190, 189, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 189, 154) }
```

Border

The CSS property to change the border of an element to XYZ 45.2655, 49.6754, 37.7744 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(190, 189, 154) }
```


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

```
.border{ border-color:rgb(190, 189, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 189, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 189, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 189, 154);  
box-shadow:4px 4px 4px 4px rgb(190, 189,  
154) }
```

Background

The CSS property to change the background color of an element to XYZ 45.2655, 49.6754, 37.7744 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 189, 154) }
```

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

```
.background{ background-color: rgb(190,  
189, 154) }
```

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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