

Converting Colors

XYZ(45.1117, 46.9707, 41.8609)

Have a look what the booklet for
XYZ(45.1117, 46.9707, 41.8609)
contains.

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Color

**XYZ(45.2170, 47.0655,
41.8233)**

Conversions

Conversions Part 1

Format	Color
Hex	C1B5A4
RGB	193, 181, 164
RGB Percent	76%, 71%, 64%
CMY	0.2431, 0.2902, 0.3569
CMYK	0.00, 0.06, 0.15, 0.24
HSL	35°, 19%, 70%
HSV	35°, 15%, 76%
XYZ	45.2170, 47.0655, 41.8233
YIQ	182.6500, 12.6090, -2.7430

Conversions

Conversions Part 2

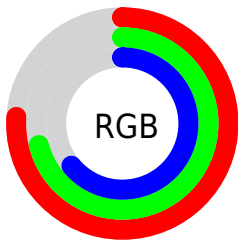
Format	Color
R_{YB}	184, 193, 164
Decimal	12694948
CIE _{Lab}	74.23, 1.39, 10.19
CIE _{LCh}	74, 10.283, 82.210
Yxy	47.0655, 0.3372, 0.3510
Android (android.graphics.Color)	4290885028 (0xFFC1B5A4)
YUV	182.6500, -9.1945, 9.0769
Hunter-Lab	68.6043, -2.4084, 11.8780

Details

The XYZ color **45.2170, 47.0655, 41.8233** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **40.4606, 42.7925, 56.5797**, and the grayscale version is **44.8630, 47.1994, 51.4001**.

A 20% lighter version of the original color is **82.4947, 86.0068, 79.2709**, and **21.2913, 22.0972, 18.4722** is the 20% darker color. If you saturate the color by 10%, you get **42.0279, 43.2679, 32.8039**, and if you desaturate by 10%, it is **48.7662, 51.1592, 52.2689**.

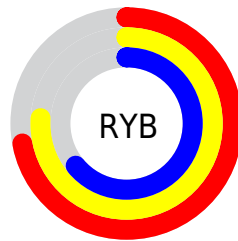
Distribution



Red (76%)

Green (71%)

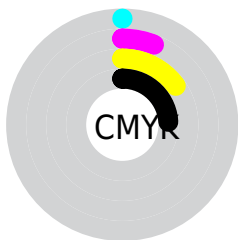
Blue (64%)



Red (72%)

Yellow (76%)

Blue (64%)

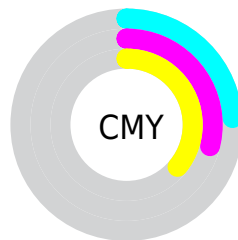


Cyan (0%)

Magenta (6%)

Yellow (15%)

Black (24%)



Cyan (24%)


Magenta (29%)


Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.2170, 47.0655, 41.8233 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 45.2170, 47.0655, 41.8233 by changing the saturation by 10% instead.


 45.2170, 47.0655,
41.8233


 45.2170, 47.0655,
41.8233


358.4206,
375.0759, 369.5280

 31.8304, 33.0874,
28.6384


 82.2810, 85.8114,
79.1993

 21.3869, 22.1934,
18.5642


 106.6891,
111.3480, 104.2276

 13.5212, 13.9991,
11.1822


135.5018,
141.5063, 134.0406

 7.8679, 8.1200,
6.0738

169.0843,
176.6705, 169.0571

 4.0616, 4.1719,
2.8205

207.8021,
217.2253, 209.6956

 1.7370, 1.7702,
1.0037

252.0205,

 0.4793, 0.4685,

263.5548, 256.3745

0.0000

302.1049,
316.0435, 309.5124

■ 0.0000, 0.0000,
0.0000

■ 45.2170, 47.0655,
41.8233

■ 45.2170, 47.0655,
41.8233

■ 42.0279, 43.2679,
32.8039

■ 48.7662, 51.1592,
52.2689

■ 39.1817, 39.7522,
25.1445

■ 52.6845, 55.5502,
64.1967

■ 36.6653, 36.5123,
18.7784

■ 56.9849, 60.2477,
77.6636

■ 34.4632, 33.5394,
13.6316

■ 61.6789, 65.2586,
92.7224

■ 32.5583, 30.8240,
9.6230

■ 65.8787, 70.2299,
104.6913

■ 30.9317, 28.3557,
6.6610

■ 68.0361, 74.5447,
105.4104

■ 29.5617, 26.1231,
4.6402

■ 70.2950, 79.0627,
106.1634

■ 28.4221, 24.1126,
3.4319

■ 72.6569, 83.7864,
106.9507

■ 27.9159, 23.1843,
3.0037

■ 75.1230, 88.7186,
107.7727

Harmonies

Analogous

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



46.9440, 47.0655, 43.6281



45.2170, 47.0655, 41.8233



43.4065, 47.0655, 42.4025

Triad

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



45.2170, 47.0655, 41.8233



41.5292, 47.0655, 55.1843



47.5973, 47.0655, 57.7287

Complementary

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



45.2170, 47.0655, 41.8233



40.4606, 42.7925, 56.5797

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.



46.0890, 47.0655, 61.2415



45.2170, 47.0655, 41.8233



42.5952, 47.0655, 59.7035

Square

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



45.2170, 47.0655, 41.8233



41.3102, 47.0655, 49.8813



44.2551, 47.0655, 61.9880



48.3427, 47.0655, 52.6360

Rectangle

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



45.2170, 47.0655, 41.8233



42.3926, 47.0655, 44.0821



44.2551, 47.0655, 61.9880



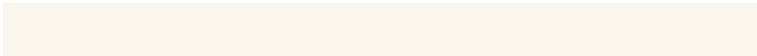
47.1608, 47.0655, 59.1475

Sweetspot

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



45.2183, 47.0676, 41.8243



87.3050, 91.5860, 93.5077



43.1130, 41.0269, 46.7648



18.6287, 19.5332, 19.7581



92.9021, 97.7402, 106.4391



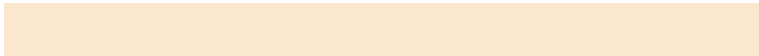
19.4759, 20.4902, 22.3138

Same Dimension

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



45.2183, 47.0676, 41.8243



79.0559, 82.0251, 69.3715



47.1524, 51.8431, 42.6441



10.5529, 11.0371, 10.6361



18.6476, 15.5809, 2.0246



0.8723, 0.8065, 0.1097

Inverse Universe

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



40.4606, 42.7925, 56.5797



68.9221, 72.9199, 100.8026



38.7151, 38.5539, 55.8536



9.8629, 10.4171, 12.7757



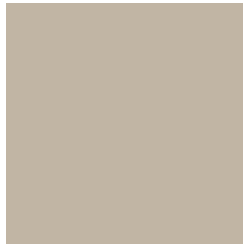
8.3771, 6.5107, 34.3718



0.4298, 0.4171, 1.5077

Previews

White Background



This preview shows how the XYZ color 45.2170, 47.0655, 41.8233 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 45.2170, 47.0655, 41.8233 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

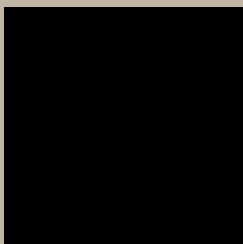
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

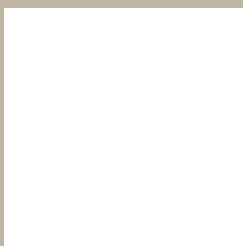
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.2170, 47.0655, 41.8233

Background



This preview shows how black text looks on a background with the XYZ color 45.2170, 47.0655, 41.8233.

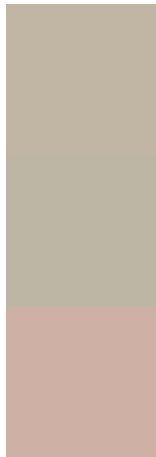


This preview shows how white text looks on a background with the XYZ color 45.2170, 47.0655,

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

45.2170, 47.0655, 41.8233

Protanopia

44.6640, 47.0834, 41.8559

Deuteranopia

48.0490, 47.0327, 42.1431



Tritanopia

48.1521, 47.0762, 55.8389

Trichromacy



Original Color

45.2170, 47.0655, 41.8233

Protanomaly

44.9146, 47.2126, 41.8676

Deuteranomaly

47.0690, 47.1140, 42.2104

Tritanomaly

47.0258, 46.9127, 50.2926

Monochromacy



Original Color

45.2170, 47.0655, 41.8233

Achromatopsia

45.0092, 47.3531, 51.5676

Achromatomaly

45.0579, 47.1553, 47.8014

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.2170, 47.0655, 41.8233 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(193, 181, 164)` looks like.

```
.text, #text, p{  
    color:rgb(193, 181, 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(193, 181, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 181, 164) }
```

Border

The CSS property to change the border of an element to XYZ 45.2170, 47.0655, 41.8233 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(193, 181, 164) }
```


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

```
.border{ border-color:rgb(193, 181, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 181, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(193, 181, 164); -webkit-box-shadow:4px 4px 4px 4px rgb(193, 181, 164); box-shadow:4px 4px 4px 4px rgb(193, 181, 164) }
```

Background

The CSS property to change the background color of an element to XYZ 45.2170, 47.0655, 41.8233 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 181, 164) }
```

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

```
.background{ background-color: rgb(193,  
181, 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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