

Converting Colors

XYZ(45.7644, 51.2667, 42.5467)

Have a look what the booklet for
XYZ(45.7644, 51.2667, 42.5467)
contains.

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Color

**XYZ(45.7784, 51.1346,
42.5791)**

Conversions

Conversions Part 1

Format	Color
Hex	B9C1A4
RGB	185, 193, 164
RGB Percent	73%, 76%, 64%
CMY	0.2745, 0.2431, 0.3569
CMYK	0.04, 0.00, 0.15, 0.24
HSL	77°, 19%, 70%
HSV	77°, 15%, 76%
XYZ	45.7784, 51.1346, 42.5791
YIQ	187.3020, 4.5410, -10.7150

Conversions

Conversions Part 2

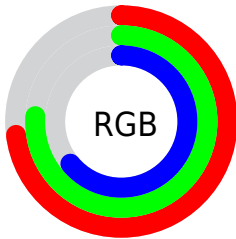
Format	Color
RYB	164, 193, 172
Decimal	12173732
CIELab	76.76, -7.90, 13.68
CIELCh	77, 15.794, 120.003
Yxy	51.1346, 0.3282, 0.3666
Android (android.graphics.Color)	4290363812 (0xFFB9C1A4)
YUV	187.3020, -11.4879, -2.0189
Hunter-Lab	71.5085, -10.8674, 14.7522

Details

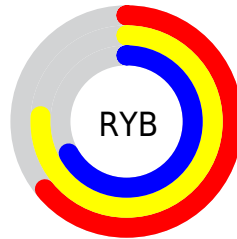
The XYZ color **45.7784, 51.1346, 42.5791** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **39.9164, 39.1732, 55.9123**, and the grayscale version is **47.4668, 49.9388, 54.3834**.

A 20% lighter version of the original color is **82.9375, 91.5666, 80.3207**, and **21.8184, 24.8316, 18.9722** is the 20% darker color. If you saturate the color by 10%, you get **42.9055, 49.8414, 34.0263**, and if you desaturate by 10%, it is **48.9668, 52.5629, 52.5295**.

Distribution



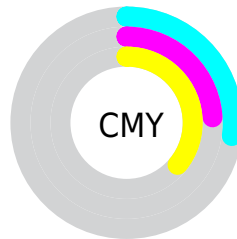
- Red (73%)
- Green (76%)
- Blue (64%)



- Red (64%)
- Yellow (76%)
- Blue (67%)



- Cyan (4%)
- Magenta (0%)
- Yellow (15%)
- Black (24%)





- Cyan (27%)
- Magenta (24%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.7784, 51.1346, 42.5791 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 45.7784, 51.1346, 42.5791 by changing the saturation by 10% instead.


 45.7784, 51.1346,
42.5791


 45.7784, 51.1346,
42.5791

360.6479,
391.0865, 372.7482

 32.2749, 36.3157,
29.2261


 83.1172, 91.8537,
80.3548

 21.7281, 24.6781,
19.0048


 107.6831,
118.5227, 105.6146

 13.7727, 15.8374,
11.4969


136.6672,
149.9106, 135.6804

 8.0434, 9.4092,
6.2838

170.4349,
186.4017, 170.9707

 4.1748, 5.0090,
2.9468

209.3514,
228.3805, 211.9041

 1.8015, 2.2526,
1.0675

253.7822,

 0.5186, 0.7484,

276.2313, 258.8991

0.0000

304.0926,
330.3385, 312.3743

■ 0.0000, 0.0000,
0.0000

■ 45.7784, 51.1346,
42.5791

■ 45.7784, 51.1346,
42.5791

■ 42.9055, 49.8414,
34.0263

■ 48.9668, 52.5629,
52.5295

■ 40.3315, 48.6717,
26.8053

■ 52.4781, 54.1243,
63.9330

■ 38.0446, 47.6222,
20.8498

■ 56.3248, 55.8255,
76.8458

■ 36.0302, 46.6870,
16.0865

■ 60.5173, 57.6708,
91.3204

■ 34.2724, 45.8599,
12.4345

■ 64.1666, 59.3046,
102.6727

■ 32.7535, 45.1336,
9.8032

■ 65.7241, 60.1075,
102.7456

■ 31.4530, 44.4997,
8.0874

■ 67.3327, 60.9367,
102.8209

■ 30.3460, 43.9484,
7.1591

■ 68.9929, 61.7926,
102.8986

■ 29.8427, 43.6951,
6.8611

■ 70.7051, 62.6753,
102.9787

Harmonies

Analogous

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



48.6016, 51.1346, 40.7573



45.7784, 51.1346, 42.5791



43.7825, 51.1346, 47.8306

Triad

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



45.7784, 51.1346, 42.5791



45.7789, 51.1346, 71.2189



54.5919, 51.1346, 55.6761

Complementary

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



45.7784, 51.1346, 42.5791



39.9164, 39.1732, 55.9123

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.



53.7625, 51.1346, 64.3375



45.7784, 51.1346, 42.5791



48.6022, 51.1346, 73.8543

Square

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



45.7784, 51.1346, 42.5791



43.7828, 51.1346, 64.3390



51.5392, 51.1346, 71.2179



53.7622, 51.1346, 47.8293

Rectangle

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



45.7784, 51.1346, 42.5791



43.1476, 51.1346, 52.8622



51.5392, 51.1346, 71.2179



54.4975, 51.1346, 58.5898

Sweetspot

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



45.7798, 51.1368, 42.5802



87.6646, 94.1218, 93.9783



43.3968, 43.4230, 41.2169



18.7163, 20.1518, 19.8728



92.9021, 97.7402, 106.4391



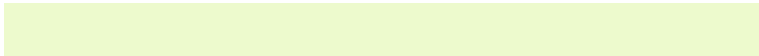
19.4759, 20.4902, 22.3138

Same Dimension

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



45.7798, 51.1368, 42.5802



80.2517, 90.8012, 71.0024



42.5163, 49.4545, 42.4275



10.6336, 11.6141, 10.7432



19.9282, 29.1022, 4.5670



0.9248, 1.2903, 0.2003

Inverse Universe

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



39.9164, 39.1732, 55.9123



67.7653, 65.3219, 99.3971



43.2093, 40.8708, 56.0664



9.7834, 9.8795, 12.6761



7.4553, 3.1038, 33.7628



0.3911, 0.1697, 1.4620

Previews

White Background



This preview shows how the XYZ color 45.7784, 51.1346, 42.5791 looks on a white background.

Color Contrast Check

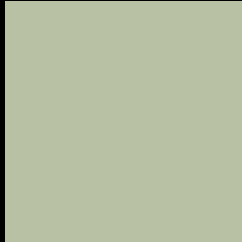
Large Text (above 18pt) WCAG AA × Fail

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 45.7784, 51.1346, 42.5791 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

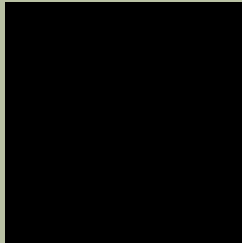
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

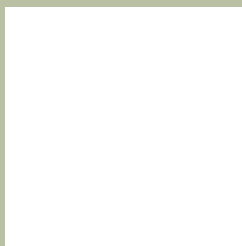
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.7784, 51.1346, 42.5791

Background



This preview shows how black text looks on a background with the XYZ color 45.7784, 51.1346, 42.5791.



This preview shows how white text looks on a background with the XYZ color 45.7784, 51.1346,

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

45.7784, 51.1346, 42.5791

Protanopia

48.2724, 51.1459, 41.5103

Deuteranopia

51.9298, 50.8080, 43.1463



Tritanopia

50.1297, 51.3071, 63.1382

Trichromacy



Original Color

45.7784, 51.1346, 42.5791

Protanomaly

47.2724, 50.9406, 41.9913

Deuteranomaly

49.5273, 50.8136, 42.7949

Tritanomaly

48.4768, 51.2766, 54.9193

Monochromacy



Original Color

45.7784, 51.1346, 42.5791

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

46.5840, 50.0890, 49.8607

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.7784, 51.1346, 42.5791 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(185, 193, 164)` looks like.

```
.text, #text, p{  
    color:rgb(185, 193, 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(185, 193, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 193, 164) }
```

Border

The CSS property to change the border of an element to XYZ 45.7784, 51.1346, 42.5791 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(185, 193, 164) }
```


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

```
.border{ border-color:rgb(185, 193, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 193, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 193, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 193, 164);  
box-shadow:4px 4px 4px 4px rgb(185, 193,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 45.7784, 51.1346, 42.5791 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 193, 164) }
```

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

```
.background{ background-color: rgb(185,  
193, 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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