

Converting Colors

XYZ(46.7298, 51.5568, 33.6086)

Have a look what the booklet for
XYZ(46.7298, 51.5568, 33.6086)
contains.

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Color

**XYZ(46.5725, 51.4182,
33.4567)**

Conversions

Conversions Part 1

Format	Color
Hex	C4C08F
RGB	196, 192, 143
RGB Percent	77%, 75%, 56%
CMY	0.2314, 0.2470, 0.4392
CMYK	0.00, 0.02, 0.27, 0.23
HSL	55°, 31%, 66%
HSV	55°, 27%, 77%
XYZ	46.5725, 51.4182, 33.4567
YIQ	187.6100, 18.1130, -14.3910

Conversions

Conversions Part 2

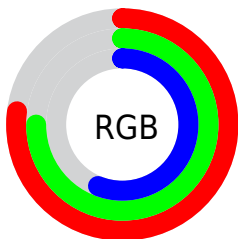
Format	Color
RYB	147, 196, 143
Decimal	12894351
CIELab	76.93, -6.38, 25.27
CIElCh	77, 26.061, 104.176
Yxy	51.4182, 0.3543, 0.3912
Android (android.graphics.Color)	4291084431 (0xFFC4C08F)
YUV	187.6100, -21.9927, 7.3580
Hunter-Lab	71.7065, -9.5527, 22.5311

Details

The XYZ color **46.5725, 51.4182, 33.4567** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **31.7251, 30.6918, 56.4767**, and the grayscale version is **47.6934, 50.1772, 54.6429**.

A 20% lighter version of the original color is **84.1535, 92.0487, 66.1551**, and **22.3197, 24.9887, 13.7721** is the 20% darker color. If you saturate the color by 10%, you get **44.8933, 50.2318, 26.2006**, and if you desaturate by 10%, it is **48.5171, 52.7195, 42.0824**.

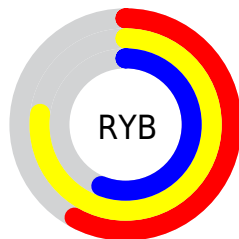
Distribution



Red (77%)

Green (75%)

Blue (56%)



Red (58%)

Yellow (77%)

Blue (56%)

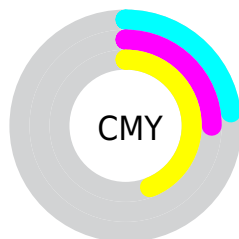


Cyan (0%)

Magenta (2%)

Yellow (27%)

Black (23%)



Cyan (23%)


Magenta (25%)


Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.5725, 51.4182, 33.4567 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 46.5725, 51.4182, 33.4567 by changing the saturation by 10% instead.


 46.5725, 51.4182,
33.4567

 46.5725, 51.4182,
33.4567


363.7830,
392.1864, 332.3976

 32.9044, 36.5415,
22.2026


 84.2978, 92.2726,
66.2121

 22.2121, 24.8527,
13.8061


 109.0856,
119.0192, 88.5504

 14.1303, 15.9674,
7.8487


138.3108,
150.4912, 115.4206

 8.2936, 9.5011,
3.9119

172.3385,
187.0730, 147.2411

 4.3368, 5.0694,
1.5771

211.5343,
229.1491, 184.4305

 1.8944, 2.2881,
0.2744

256.2634,

 0.5736, 0.7674,

277.1037, 227.4074

0.0000

306.8912,
331.3214, 276.5902

■ 0.0000, 0.0000,
0.0000

■ 46.5725, 51.4182,
33.4567

■ 46.5725, 51.4182,
33.4567

■ 44.8933, 50.2318,
26.2006

■ 48.5171, 52.7195,
42.0824

■ 43.4620, 49.1480,
20.2398

■ 50.7355, 54.1339,
52.1403

■ 42.2652, 48.1631,
15.4978

■ 53.2410, 55.6682,
63.6932

■ 41.2866, 47.2707,
11.8889

■ 56.0445, 57.3270,
76.7991

■ 40.5078, 46.4634,
9.3161

■ 59.1564, 59.1145,
91.5130

■ 39.9072, 45.7325,
7.6665

■ 61.6714, 60.6685,
103.0675

■ 39.4557, 45.0663,
6.7857

■ 62.0172, 61.3601,
103.1828

■ 39.3347, 44.8752,
6.5886

■ 62.3663, 62.0584,
103.2992

■ 62.7188, 62.7633,
103.4166

Harmonies

Analogous

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



51.5190, 51.4182, 33.6012



46.5725, 51.4182, 33.4567



42.5211, 51.4182, 38.5897

Triad

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



46.5725, 51.4182, 33.4567



42.3445, 51.4182, 77.2618



58.6351, 51.4182, 63.7703

Complementary

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



46.5725, 51.4182, 33.4567



31.7251, 30.6918, 56.4767

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.



55.8245, 51.4182, 77.9528



46.5725, 51.4182, 33.4567



46.3162, 51.4182, 86.5958

Square

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



46.5725, 51.4182, 33.4567



40.1943, 51.4182, 62.9458



51.2449, 51.4182, 86.8682



58.7153, 51.4182, 49.5586

Rectangle

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



46.5725, 51.4182, 33.4567



40.7784, 51.4182, 44.9088



51.2449, 51.4182, 86.8682



57.9702, 51.4182, 68.7489

Sweetspot

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



46.5738, 51.4205, 33.4578



91.4490, 97.7778, 92.3477



37.8871, 33.5010, 32.2457



19.4371, 20.8425, 19.1429



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.



46.5738, 51.4205, 33.4578



82.6506, 91.9506, 53.1305



42.1352, 50.4524, 33.5049



10.8464, 11.6242, 10.7339



25.3023, 28.8903, 4.2428



1.1129, 1.2877, 0.1899

Inverse Universe

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



31.7251, 30.6918, 56.4767



51.6030, 48.6115, 101.2709



35.3212, 31.6394, 56.4701



9.5880, 9.8672, 12.6841



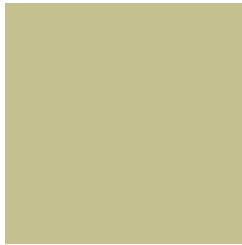
6.5350, 2.8265, 33.7578



0.3037, 0.1649, 1.4657

Previews

White Background



This preview shows how the XYZ color 46.5725, 51.4182, 33.4567 looks on a white background.

Color Contrast Check

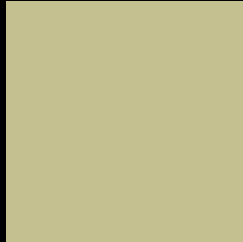
Large Text (above 18pt) WCAG AA × Fail

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 46.5725, 51.4182, 33.4567 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

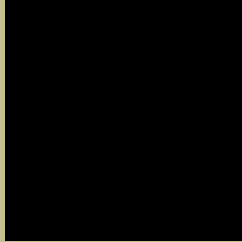
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.5725, 51.4182, 33.4567

Background



This preview shows how black text looks on a background with the XYZ color 46.5725, 51.4182, 33.4567.



This preview shows how white text looks on a background with the XYZ color 46.5725, 51.4182,

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

46.5725, 51.4182, 33.4567

Protanopia

47.9245, 51.4764, 33.0012

Deuteranopia

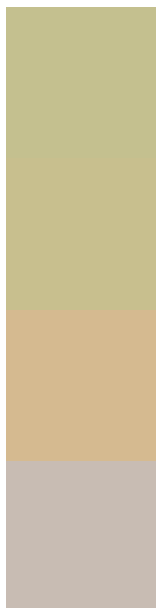
52.2702, 51.1882, 33.9134



Tritanopia

52.2864, 51.5180, 61.2210

Trichromacy



Original Color

46.5725, 51.4182, 33.4567

Protanomaly

47.3327, 51.4940, 33.0358

Deuteranomaly

50.0335, 51.2776, 33.6461

Tritanomaly

49.9393, 51.5005, 49.9563

Monochromacy



Original Color

46.5725, 51.4182, 33.4567

Achromatopsia

47.7994, 50.2886, 54.7643

Achromatomaly

47.1298, 50.4501, 46.2836

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.5725, 51.4182, 33.4567 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(196, 192, 143)` looks like.

```
.text, #text, p{  
    color:rgb(196, 192, 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(196, 192, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 192, 143) }
```

Border

The CSS property to change the border of an element to XYZ 46.5725, 51.4182, 33.4567 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(196, 192, 143) }
```


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

```
.border{ border-color:rgb(196, 192, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 192, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 192, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 192, 143);  
box-shadow:4px 4px 4px 4px rgb(196, 192,  
143) }
```

Background

The CSS property to change the background color of an element to XYZ 46.5725, 51.4182, 33.4567 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 192, 143) }
```

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

```
.background{ background-color: rgb(196,  
192, 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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