

Converting Colors

XYZ(46.0946, 51.4223, 32.7421)

Have a look what the booklet for
XYZ(46.0946, 51.4223, 32.7421)
contains.

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Color

**XYZ(46.1258, 51.5323,
32.7150)**

Conversions

Conversions Part 1

Format	Color
Hex	C2C18D
RGB	194, 193, 141
RGB Percent	76%, 76%, 55%
CMY	0.2392, 0.2431, 0.4471
CMYK	0.00, 0.01, 0.27, 0.24
HSL	59°, 30%, 66%
HSV	59°, 27%, 76%
XYZ	46.1258, 51.5323, 32.7150
YIQ	187.3710, 17.2880, -15.9600

Conversions

Conversions Part 2

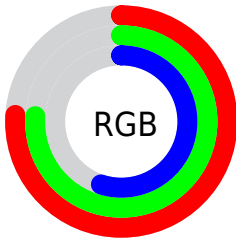
Format	Color
RYB	142, 194, 141
Decimal	12763533
CIELab	77.00, -7.94, 26.39
CIELCh	77, 27.560, 106.750
Yxy	51.5323, 0.3538, 0.3953
Android (android.graphics.Color)	4290953613 (0xFFC2C18D)
YUV	187.3710, -22.8609, 5.8136
Hunter-Lab	71.7860, -10.9311, 23.2300

Details

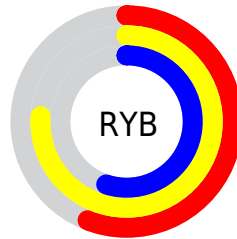
The XYZ color **46.1258, 51.5323, 32.7150** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **30.3951, 28.9032, 55.0160**, and the grayscale version is **47.5630, 50.0400, 54.4936**.

A 20% lighter version of the original color is **83.5097, 92.2007, 65.0248**, and **22.0388, 25.0698, 13.3502** is the 20% darker color. If you saturate the color by 10%, you get **44.7270, 50.8459, 25.7402**, and if you desaturate by 10%, it is **47.7803, 52.3249, 41.0238**.

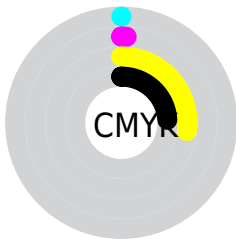
Distribution



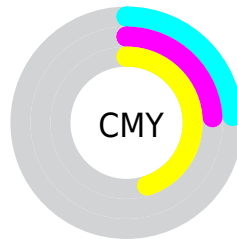
- Red (76%)
- Green (76%)
- Blue (55%)



- Red (56%)
- Yellow (76%)
- Blue (55%)



- Cyan (0%)
- Magenta (1%)
- Yellow (27%)
- Black (24%)



- Cyan (24%)
- Magenta (24%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.1258, 51.5323, 32.7150 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 46.1258, 51.5323, 32.7150 by changing the saturation by 10% instead.

■ 46.1258, 51.5323,
32.7150

■ 46.1258, 51.5323,
32.7150

362.0216,
392.6284, 328.9561

■ 32.5501, 36.6324,
21.6389

■ 83.6339, 92.4411,
65.0412

■ 21.9396, 24.9230,
13.3960

■ 108.2972,
119.2188, 87.1283

■ 13.9289, 16.0197,
7.5679

■ 137.3869,
150.7246, 113.7229

■ 8.1526, 9.5381,
3.7359

171.2686,
187.3429, 145.2435

■ 4.2454, 5.0938,
1.4816

210.3076,
229.4580, 182.1085

■ 1.8419, 2.3024,
0.2042

254.8692,

■ 0.5427, 0.7750,

277.4543, 224.7366

0.0000

305.3187,
331.7163, 273.5463

■ 0.0000, 0.0000,
0.0000

■ 46.1258, 51.5323,
32.7150

■ 46.1258, 51.5323,
32.7150

■ 44.7270, 50.8459,
25.7402

■ 47.7803, 52.3249,
41.0238

■ 43.5668, 50.2534,
20.0266

■ 49.6988, 53.2217,
50.7278

■ 42.6322, 49.7514,
15.4996

■ 51.8941, 54.2295,
61.8881

■ 41.9071, 49.3336,
12.0753

■ 54.3769, 55.3526,
74.5616

■ 41.3736, 48.9928,
9.6590

■ 57.1574, 56.5951,
88.8020

■ 41.0107, 48.7205,
8.1398

■ 59.8561, 57.8052,
102.6105

■ 40.7887, 48.5049,
7.3620

■ 59.9380, 57.9689,
102.6378

■ 40.7390, 48.4510,
7.2048

■ 60.0200, 58.1330,
102.6651

■ 60.1023, 58.2975,
102.6926

Harmonies

Analogous

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



51.3320, 51.5323, 32.3969



46.1258, 51.5323, 32.7150



41.9841, 51.5323, 38.5291

Triad

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



46.1258, 51.5323, 32.7150



42.3790, 51.5323, 79.9314



59.4859, 51.5323, 63.0059

Complementary

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



46.1258, 51.5323, 32.7150



30.3951, 28.9032, 55.0160

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.



56.7127, 51.5323, 78.3599



46.1258, 51.5323, 32.7150



46.7007, 51.5323, 89.2460

Square

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



46.1258, 51.5323, 32.7150



39.9292, 51.5323, 64.8678



51.9494, 51.5323, 88.6243



59.3043, 51.5323, 48.1781

Rectangle

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



46.1258, 51.5323, 32.7150



40.2720, 51.5323, 45.4465



51.9494, 51.5323, 88.6243



58.8604, 51.5323, 68.3231

Sweetspot

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



46.1271, 51.5346, 32.7161



89.7423, 96.2854, 90.3883



36.7138, 32.4959, 30.2321



19.5303, 21.0287, 19.1739



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.



46.1271, 51.5346, 32.7161



81.9442, 92.5722, 51.1551



40.5194, 48.9715, 32.5169



10.8967, 11.7248, 10.7507



26.7918, 31.8694, 4.7393



1.1628, 1.3875, 0.2065

Inverse Universe

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



30.3951, 28.9032, 55.0160



48.5421, 44.5224, 98.5050



34.9331, 31.0237, 55.1861



9.5431, 9.7776, 12.6691



6.4349, 2.6264, 33.7244



0.2834, 0.1242, 1.4589

Previews

White Background



This preview shows how the XYZ color 46.1258, 51.5323, 32.7150 looks on a white background.

Color Contrast Check

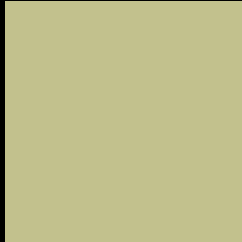
Large Text (above 18pt) WCAG AA × Fail

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 46.1258, 51.5323, 32.7150 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

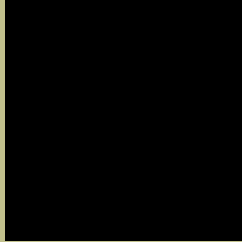
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.1258, 51.5323, 32.7150

Background



This preview shows how black text looks on a background with the XYZ color 46.1258, 51.5323, 32.7150.



This preview shows how white text looks on a background with the XYZ color 46.1258, 51.5323,

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

46.1258, 51.5323, 32.7150

Protanopia

48.0489, 51.5577, 32.2301

Deuteranopia

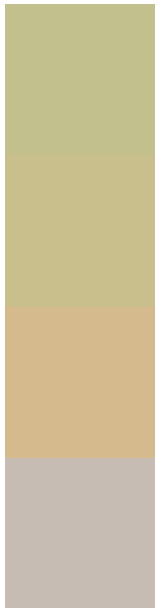
52.4263, 51.2864, 33.1227



Tritanopia

51.8617, 51.2856, 61.8093

Trichromacy



Original Color

46.1258, 51.5323, 32.7150

Protanomaly

47.1838, 51.4344, 32.2519

Deuteranomaly

49.8820, 51.2169, 32.8480

Tritanomaly

49.4086, 51.2269, 49.9315

Monochromacy



Original Color

46.1258, 51.5323, 32.7150

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

46.6885, 50.2446, 45.2676

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.1258, 51.5323, 32.7150 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(194, 193, 141)` looks like.

```
.text, #text, p{  
    color:rgb(194, 193, 141)  
}
```

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(194, 193, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 193, 141) }
```

Border

The CSS property to change the border of an element to XYZ 46.1258, 51.5323, 32.7150 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(194, 193, 141) }
```


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

```
.border{ border-color:rgb(194, 193, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 193, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 193, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 193, 141);  
box-shadow:4px 4px 4px 4px rgb(194, 193,  
141) }
```

Background

The CSS property to change the background color of an element to XYZ 46.1258, 51.5323, 32.7150 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 193, 141) }
```

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

```
.background{ background-color: rgb(194,  
193, 141) }
```

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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