

Converting Colors

XYZ(45.2841, 51.5317, 33.9526)

Have a look what the booklet for
XYZ(45.2841, 51.5317, 33.9526)
contains.

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Color

**XYZ(45.3121, 51.4160,
33.9216)**

Conversions

Conversions Part 1

Format	Color
Hex	BDC290
RGB	189, 194, 144
RGB Percent	74%, 76%, 56%
CMY	0.2588, 0.2392, 0.4353
CMYK	0.03, 0.00, 0.26, 0.24
HSL	66°, 29%, 66%
HSV	66°, 26%, 76%
XYZ	45.3121, 51.4160, 33.9216
YIQ	186.8050, 13.0700, -16.6100

Conversions

Conversions Part 2

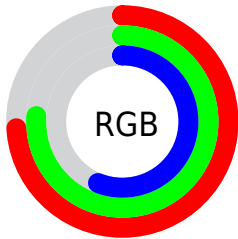
Format	Color
RYB	144, 194, 149
Decimal	12436112
CIELab	76.93, -9.96, 24.64
CIELCh	77, 26.581, 112.017
Yxy	51.4160, 0.3468, 0.3935
Android (android.graphics.Color)	4290626192 (0xFFBDC290)
YUV	186.8050, -21.1029, 1.9250
Hunter-Lab	71.7050, -12.6852, 22.1450

Details

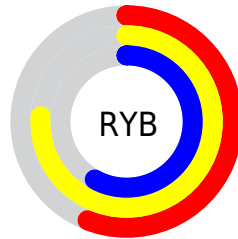
The XYZ color **45.3121, 51.4160, 33.9216** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **32.1072, 30.2324, 55.1850**, and the grayscale version is **47.2353, 49.6952, 54.1181**.

A 20% lighter version of the original color is **82.3847, 92.0413, 66.8497**, and **21.3455, 24.6974, 13.9980** is the 20% darker color. If you saturate the color by 10%, you get **43.4770, 50.6285, 26.7495**, and if you desaturate by 10%, it is **47.4111, 52.3134, 42.4382**.

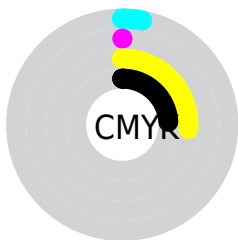
Distribution



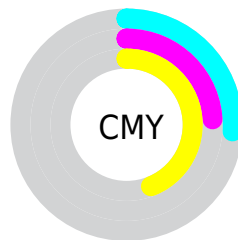
- Red (74%)
- Green (76%)
- Blue (56%)



- Red (56%)
- Yellow (76%)
- Blue (58%)



- Cyan (3%)
- Magenta (0%)
- Yellow (26%)
- Black (24%)





- Cyan (26%)
- Magenta (24%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.3121, 51.4160, 33.9216 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 45.3121, 51.4160, 33.9216 by changing the saturation by 10% instead.


 45.3121, 51.4160,
33.9216

 45.3121, 51.4160,
33.9216


358.7986,
392.1779, 334.5408

 31.9057, 36.5398,
22.5565


 82.4227, 92.2694,
66.9442

 21.4446, 24.8514,
14.0642


 106.8576,
119.0154, 89.4389

 13.5637, 15.9664,
8.0260

135.6994,
150.4867, 116.4804

 7.8975, 9.5003,
4.0236

169.3134,
187.0678, 148.4874

 4.0807, 5.0690,
1.6383

208.0649,
229.1431, 185.8784

 1.7479, 2.2878,
0.3179

252.3194,

 0.4860, 0.7672,

277.0969, 229.0719

0.0000

302.4422,
331.3137, 278.4866

■ 0.0000, 0.0000,
0.0000

■ 45.3121, 51.4160,
33.9216

■ 45.3121, 51.4160,
33.9216

■ 43.4770, 50.6285,
26.7495

■ 47.4111, 52.3134,
42.4382

■ 41.8889, 49.9387,
20.8501

■ 49.7823, 53.3186,
52.3599

■ 40.5348, 49.3432,
16.1497

■ 52.4382, 54.4385,
63.7472

■ 39.3990, 48.8359,
12.5660

■ 55.3896, 55.6773,
76.6565

■ 38.4640, 48.4095,
10.0060

■ 58.6466, 57.0392,
91.1410

■ 37.7091, 48.0560,
8.3619

■ 61.3364, 58.1748,
102.6038

■ 37.1089, 47.7651,
7.4992

■ 61.8605, 58.4450,
102.6284

■ 36.8798, 47.6522,
7.2540

■ 62.3912, 58.7186,
102.6532

■ 62.9286, 58.9957,
102.6784

Harmonies

Analogous

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



50.2329, 51.4160, 32.6755



45.3121, 51.4160, 33.9216



41.5952, 51.4160, 40.5270

Triad

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



45.3121, 51.4160, 33.9216



43.1232, 51.4160, 80.9416



59.1510, 51.4160, 59.9425

Complementary

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



45.3121, 51.4160, 33.9216



32.1072, 30.2324, 55.1850

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.



56.9457, 51.4160, 74.9410



45.3121, 51.4160, 33.9216



47.5307, 51.4160, 88.3577

Square

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



45.3121, 51.4160, 33.9216



40.3935, 51.4160, 67.0918



52.6081, 51.4160, 85.9906



58.4550, 51.4160, 46.1740

Rectangle

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



45.3121, 51.4160, 33.9216



40.1875, 51.4160, 47.8143



52.6081, 51.4160, 85.9906



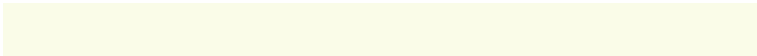
58.7194, 51.4160, 65.0334

Sweetspot

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



45.3134, 51.4183, 33.9227



89.1317, 96.1477, 90.3939



38.0313, 34.9792, 31.1334



19.3715, 20.9929, 19.1754



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.



45.3134, 51.4183, 33.9227



80.1334, 92.3110, 53.7362



39.6375, 48.4922, 33.6571



10.8109, 11.7055, 10.7515



24.2855, 31.3485, 4.7709



1.0786, 1.3696, 0.2075

Inverse Universe

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



32.1072, 30.2324, 55.1850



52.1118, 47.3505, 98.8628



37.1680, 32.8414, 55.4219



9.6198, 9.7951, 12.6685



6.6172, 2.6717, 33.7235



0.3181, 0.1321, 1.4586

Previews

White Background



This preview shows how the XYZ color 45.3121, 51.4160, 33.9216 looks on a white background.

Color Contrast Check

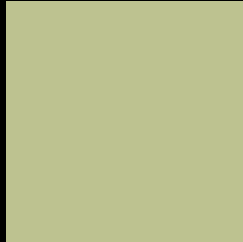
Large Text (above 18pt) WCAG AA × Fail

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 45.3121, 51.4160, 33.9216 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

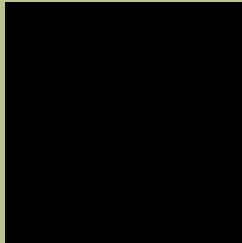
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

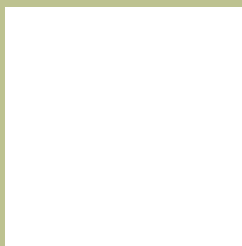
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.3121, 51.4160, 33.9216

Background



This preview shows how black text looks on a background with the XYZ color 45.3121, 51.4160, 33.9216.



This preview shows how white text looks on a background with the XYZ color 45.3121, 51.4160,

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

45.3121, 51.4160, 33.9216

Protanopia

47.9245, 51.4764, 33.0012

Deuteranopia

52.3477, 51.2192, 34.3214



Tritanopia

50.8665, 51.0706, 62.4350

Trichromacy



Original Color

45.3121, 51.4160, 33.9216

Protanomaly

46.8774, 51.2505, 33.4082

Deuteranomaly

49.5337, 51.0110, 34.0235

Tritanomaly

48.4281, 51.0279, 50.4770

Monochromacy



Original Color

45.3121, 51.4160, 33.9216

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

46.5032, 50.4586, 45.8166

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.3121, 51.4160, 33.9216 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(189, 194, 144)` looks like.

```
.text, #text, p{  
    color:rgb(189, 194, 144)  
}
```

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(189, 194, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 194, 144) }
```

Border

The CSS property to change the border of an element to XYZ 45.3121, 51.4160, 33.9216 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(189, 194, 144) }
```


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

```
.border{ border-color:rgb(189, 194, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 194, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 194, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 194, 144);  
box-shadow:4px 4px 4px 4px rgb(189, 194,  
144) }
```

Background

The CSS property to change the background color of an element to XYZ 45.3121, 51.4160, 33.9216 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 194, 144) }
```

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

```
.background{ background-color: rgb(189,  
194, 144) }
```

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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