

Converting Colors

XYZ(46.3339, 51.4597, 37.6280)

Have a look what the booklet for
XYZ(46.3339, 51.4597, 37.6280)
contains.

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Color

**XYZ(46.3056, 51.5162,
37.6400)**

Conversions

Conversions Part 1

Format	Color
Hex	BFC199
RGB	191, 193, 153
RGB Percent	75%, 76%, 60%
CMY	0.2510, 0.2431, 0.4000
CMYK	0.01, 0.00, 0.21, 0.24
HSL	63°, 24%, 68%
HSV	63°, 21%, 76%
XYZ	46.3056, 51.5162, 37.6400
YIQ	187.8420, 11.6480, -12.8640

Conversions

Conversions Part 2

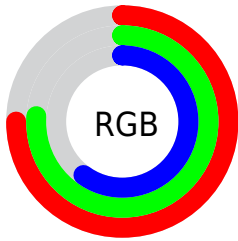
Format	Color
RYB	153, 193, 155
Decimal	12566937
CIELab	76.99, -7.39, 19.96
CIELCh	77, 21.288, 110.316
Yxy	51.5162, 0.3418, 0.3803
Android (android.graphics.Color)	4290757017 (0xFFBFC199)
YUV	187.8420, -17.1771, 2.7696
Hunter-Lab	71.7748, -10.4464, 19.1496

Details

The XYZ color **46.3056, 51.5162, 37.6400** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **34.5364, 33.6026, 55.1206**, and the grayscale version is **47.8012, 50.2906, 54.7664**.

A 20% lighter version of the original color is **83.8496, 92.2128, 72.4110**, and **22.0929, 25.0338, 16.2380** is the 20% darker color. If you saturate the color by 10%, you get **44.5969, 50.8065, 29.9012**, and if you desaturate by 10%, it is **48.2765, 52.3345, 46.7391**.

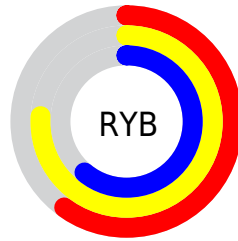
Distribution



Red (75%)

Green (76%)

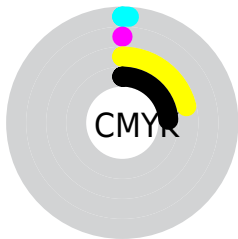
Blue (60%)



Red (60%)

Yellow (76%)

Blue (61%)

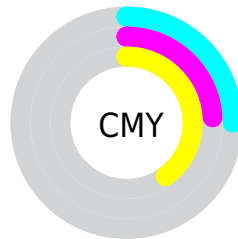


Cyan (1%)

Magenta (0%)

Yellow (21%)

Black (24%)



Cyan (25%)


Magenta (24%)


Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.3056, 51.5162, 37.6400 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 46.3056, 51.5162, 37.6400 by changing the saturation by 10% instead.


 46.3056, 51.5162,
37.6400


 46.3056, 51.5162,
37.6400


362.7313,
392.5660, 351.3249

 32.6927, 36.6196,
25.4037


 83.9012, 92.4173,
72.7533

 22.0492, 24.9131,
16.1564


 108.6147,
119.1907, 96.4674

 14.0099, 16.0123,
9.4793


137.7590,
150.6917, 124.8446

 8.2093, 9.5329,
4.9541

171.6995,
187.3048, 158.3033

 4.2821, 5.0904,
2.1621

210.8017,
229.4144, 197.2622

 1.8629, 2.3004,
0.6524

255.4308,

 0.5552, 0.7739,

277.4049, 242.1397

0.0000

305.9522,
331.6606, 293.3544

■ 0.0000, 0.0000,
0.0000

■ 46.3056, 51.5162,
37.6400

■ 46.3056, 51.5162,
37.6400

■ 44.5969, 50.8065,
29.9012

■ 48.2765, 52.3345,
46.7391

■ 43.1339, 50.1935,
23.4543

■ 50.5171, 53.2591,
57.2561

■ 41.9047, 49.6741,
18.2298

■ 53.0396, 54.2967,
69.2491

■ 40.8946, 49.2426,
14.1504

■ 55.8543, 55.4513,
82.7722

■ 40.0871, 48.8924,
11.1301

■ 58.9709, 56.7269,
97.8765

■ 39.4636, 48.6159,
9.0705

■ 60.0953, 57.2058,
102.4822

■ 39.0021, 48.4044,
7.8553

■ 60.3491, 57.3366,
102.4941

■ 38.6792, 48.2505,
7.2747

■ 60.6044, 57.4682,
102.5060

■ 60.8614, 57.6007,
102.5180

Harmonies

Analogous

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



50.2887, 51.5162, 36.8247



46.3056, 51.5162, 37.6400



43.2028, 51.5162, 43.0006

Triad

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



46.3056, 51.5162, 37.6400



44.1499, 51.5162, 75.1038



57.0646, 51.5162, 59.9354

Complementary

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



46.3056, 51.5162, 37.6400



34.5364, 33.6026, 55.1206

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.



55.2172, 51.5162, 71.6034



46.3056, 51.5162, 37.6400



47.6639, 51.5162, 81.1254

Square

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



46.3056, 51.5162, 37.6400



42.0067, 51.5162, 64.2128



51.7235, 51.5162, 79.7627



56.6513, 51.5162, 48.6871

Rectangle

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



46.3056, 51.5162, 37.6400



41.9802, 51.5162, 48.8980



51.7235, 51.5162, 79.7627



56.6837, 51.5162, 63.9599

Sweetspot

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



46.3069, 51.5185, 37.6411



88.2563, 94.4689, 92.1088



39.4651, 37.0813, 35.2150



18.8779, 20.2436, 19.4976



92.9021, 97.7402, 106.4391



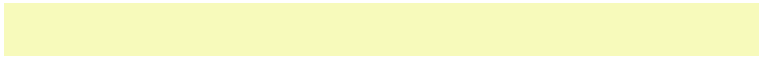
19.4759, 20.4902, 22.3138

Same Dimension

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



46.3069, 51.5185, 37.6411



81.4464, 91.6475, 60.6497



41.6162, 49.1003, 37.4216



10.8620, 11.7318, 10.7539



25.7455, 32.1011, 4.8392



1.1279, 1.3950, 0.2098

Inverse Universe

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



34.5364, 33.6026, 55.1206



56.4744, 53.6359, 97.7365



38.6976, 35.7478, 55.3154



9.5740, 9.7715, 12.6663



6.5029, 2.6128, 33.7182



0.2974, 0.1214, 1.4576

Previews

White Background



This preview shows how the XYZ color 46.3056, 51.5162, 37.6400 looks on a white background.

Color Contrast Check

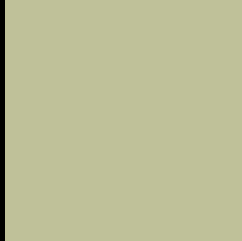
Large Text (above 18pt) WCAG AA × Fail

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 46.3056, 51.5162, 37.6400 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

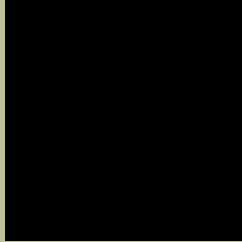
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

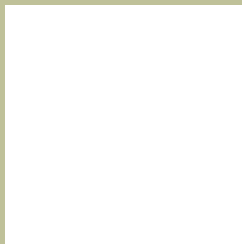
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.3056, 51.5162, 37.6400

Background



This preview shows how black text looks on a background with the XYZ color 46.3056, 51.5162, 37.6400.



This preview shows how white text looks on a background with the XYZ color 46.3056, 51.5162,

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

46.3056, 51.5162, 37.6400

Protanopia

48.3565, 51.6178, 36.6927

Deuteranopia

52.3651, 51.4492, 38.1811



Tritanopia

51.1275, 51.2052, 62.4472

Trichromacy



Original Color

46.3056, 51.5162, 37.6400

Protanomaly

47.5870, 51.5344, 37.1448

Deuteranomaly

49.8976, 51.4291, 37.8688

Tritanomaly

49.3550, 51.4580, 52.6785

Monochromacy



Original Color

46.3056, 51.5162, 37.6400

Achromatopsia

47.7994, 50.2886, 54.7643

Achromatomaly

47.1376, 50.7409, 47.8670

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.3056, 51.5162, 37.6400 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(191, 193, 153)` looks like.

```
.text, #text, p{  
    color:rgb(191, 193, 153)  
}
```

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(191, 193, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 193, 153) }
```

Border

The CSS property to change the border of an element to XYZ 46.3056, 51.5162, 37.6400 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(191, 193, 153) }
```


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

```
.border{ border-color:rgb(191, 193, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 193, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 193, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 193, 153);  
box-shadow:4px 4px 4px 4px rgb(191, 193,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 46.3056, 51.5162, 37.6400 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 193, 153) }
```

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

```
.background{ background-color: rgb(191,  
193, 153) }
```

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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