

Converting Colors

XYZ(37.4537, 26.7160, 51.9500)

Have a look what the booklet for
XYZ(37.4537, 26.7160, 51.9500)
contains.

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Color

**XYZ(37.4844, 26.6887,
51.8910)**

Conversions

Conversions Part 1

Format	Color
Hex	C36FBE
RGB	195, 111, 190
RGB Percent	76%, 44%, 75%
CMY	0.2353, 0.5647, 0.2549
CMYK	0.00, 0.43, 0.03, 0.24
HSL	304°, 41%, 60%
HSV	304°, 43%, 76%
XYZ	37.4844, 26.6887, 51.8910
YIQ	145.1220, 24.7050, 42.3770

Conversions

Conversions Part 2

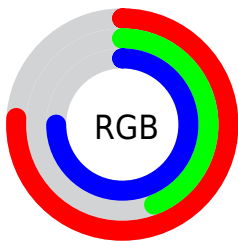
Format	Color
R _Y B	195, 111, 190
Decimal	12808126
CIE Lab	58.69, 44.75, -27.45
CIE LCh	59, 52.501, 328.471
Yxy	26.6887, 0.3230, 0.2299
Android (android.graphics.Color)	4290998206 (0xFFC36FBE)
YUV	145.1220, 22.1249, 43.7430
Hunter-Lab	51.6611, 39.1096, -23.3911

Details

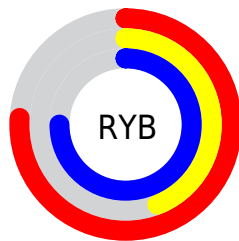
The XYZ color **37.4844, 26.6887, 51.8910** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **29.2242, 43.6717, 23.4138**, and the grayscale version is **26.8699, 28.2693, 30.7852**.

A 20% lighter version of the original color is **70.7516, 54.5083, 94.7878**, and **16.6554, 10.3945, 24.4211** is the 20% darker color. If you saturate the color by 10%, you get **35.4583, 22.8382, 50.5923**, and if you desaturate by 10%, it is **39.9777, 31.4709, 53.3509**.

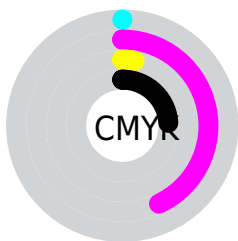
Distribution



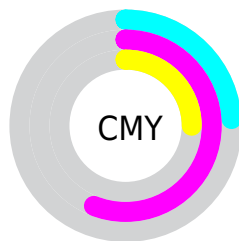
- Red (76%)
- Green (44%)
- Blue (75%)



- Red (76%)
- Yellow (44%)
- Blue (75%)



- Cyan (0%)
- Magenta (43%)
- Yellow (3%)
- Black (24%)





- Cyan (24%)
- Magenta (56%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.4844, 26.6887, 51.8910 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 37.4844, 26.6887, 51.8910 by changing the saturation by 10% instead.


 37.4844, 26.6887,
51.8910


 37.4844, 26.6887,
51.8910


326.7222,
286.1467, 410.9606


 25.7582, 17.3396,
36.5366

 70.6262, 54.3839,
94.3954


 16.7745, 10.4769,
24.5559

 92.7724, 73.4988,
122.3825

 10.1682, 5.7163,
15.5305


 119.1227, 96.6377,
155.4175

 5.5737, 2.6733,
9.0418

 150.0424,
124.1851, 193.9190

 2.6258, 0.9637,
4.6713

185.8968,
156.5253, 238.3055

 0.9591, 0.0000,
2.0004

227.0514,

 0.0000, 0.0000,

194.0426, 288.9956

0.5555

273.8714,
237.1217, 346.4078

■ 0.0000, 0.0000,
0.0000

■ 37.4844, 26.6887,
51.8910

■ 37.4844, 26.6887,
51.8910

■ 35.4583, 22.8382,
50.5923

■ 39.9777, 31.4709,
53.3509

■ 33.8662, 19.8546,
49.4430

■ 42.9633, 37.2366,
54.9797

■ 32.6747, 17.6708,
48.4323

■ 46.4678, 44.0383,
56.7864

■ 31.8447, 16.2081,
47.5469

■ 50.5148, 51.9237,
58.7790

■ 31.3288, 15.3721,
46.7712

■ 55.1269, 60.9375,
60.9650

■ 31.0941, 15.0375,
46.2778

■ 60.3250, 71.1217,
63.3513

■ 66.1293, 82.5165,
65.9448

■ 68.6083, 87.2592,
67.4349

■ 68.7439, 87.3134,
68.1490

Harmonies

Analogous

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



31.7553, 26.6887, 72.8413



37.4844, 26.6887, 51.8910



39.9059, 26.6887, 30.0181

Triad

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



37.4844, 26.6887, 51.8910



25.6994, 26.6887, 6.0422



15.9462, 26.6887, 49.5108

Complementary

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



37.4844, 26.6887, 51.8910



29.2242, 43.6717, 23.4138

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.



14.8729, 26.6887, 28.1214



37.4844, 26.6887, 51.8910



19.8983, 26.6887, 7.6748

Square

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



37.4844, 26.6887, 51.8910



32.4261, 26.6887, 8.0718



16.1904, 26.6887, 14.1537



19.4145, 26.6887, 71.1054

Rectangle

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



37.4844, 26.6887, 51.8910



39.0532, 26.6887, 19.1901



16.1904, 26.6887, 14.1537



15.3222, 26.6887, 41.8382

Sweetspot

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



37.4853, 26.6899, 51.8916



83.1379, 78.7060, 101.6609



22.6326, 18.9688, 54.0990



17.8795, 16.6005, 22.0973



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.



37.4853, 26.6899, 51.8916



63.5926, 41.0674, 90.6693



33.6001, 25.1358, 31.4322



10.4706, 10.2368, 12.5685



20.2204, 9.7779, 30.1364



0.8817, 0.4257, 1.3442

Inverse Universe

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



37.4853, 26.6899, 51.8916



63.5926, 41.0674, 90.6693



32.1747, 44.8518, 38.9506



10.4706, 10.2368, 12.5685



20.2204, 9.7779, 30.1364



0.8817, 0.4257, 1.3442

Previews

White Background



This preview shows how the XYZ color 37.4844, 26.6887, 51.8910 looks on a white background.

Color Contrast Check

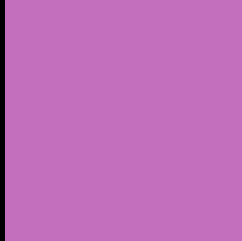
Large Text (above 18pt) WCAG AA ✓ Pass

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 37.4844, 26.6887, 51.8910 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

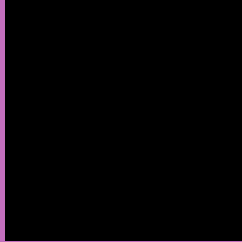
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 37.4844, 26.6887, 51.8910

Background



This preview shows how black text looks on a background with the XYZ color 37.4844, 26.6887, 51.8910.



This preview shows how white text looks on a background with the XYZ color 37.4844, 26.6887,

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

37.4844, 26.6887, 51.8910

Protanopia

28.3187, 26.9317, 65.9931

Deuteranopia

27.5053, 26.8736, 49.6364



Tritanopia

32.1803, 26.8001, 25.6672

Trichromacy



Original Color

37.4844, 26.6887, 51.8910

Protanomaly

30.4264, 26.0799, 60.5570

Deuteranomaly

30.3375, 26.2569, 50.4828

Tritanomaly

33.9154, 26.6031, 33.9192

Monochromacy



Original Color

37.4844, 26.6887, 51.8910

Achromatopsia

26.9133, 28.3149, 30.8349

Achromatomaly

29.9248, 27.1348, 37.3785

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.4844, 26.6887, 51.8910 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(195, 111, 190)` looks like.

```
.text, #text, p{  
    color:rgb(195, 111, 190)  
}
```

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(195, 111, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 111, 190) }
```

Border

The CSS property to change the border of an element to XYZ 37.4844, 26.6887, 51.8910 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(195, 111, 190) }
```


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

```
.border{ border-color:rgb(195, 111, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 111, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 111, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 111, 190);  
box-shadow:4px 4px 4px 4px rgb(195, 111,  
190) }
```

Background

The CSS property to change the background color of an element to XYZ 37.4844, 26.6887, 51.8910 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 111, 190) }
```

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

```
.background{ background-color: rgb(195,  
111, 190) }
```

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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