

Converting Colors

XYZ(25.8997, 23.1883, 50.3661)

Have a look what the booklet for
XYZ(25.8997, 23.1883, 50.3661)
contains.

XYZ(25.8190, 23.1606, 50.1233)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(25.8190, 23.1606,
50.1233)**

Conversions

Conversions Part 1

Format	Color
Hex	847DBB
RGB	132, 125, 187
RGB Percent	52%, 49%, 73%
CMY	0.4823, 0.5098, 0.2667
CMYK	0.29, 0.33, 0.00, 0.27
HSL	247°, 31%, 61%
HSV	247°, 33%, 73%
XYZ	25.8190, 23.1606, 50.1233
YIQ	134.1610, -15.7300, 20.7660

Conversions

Conversions Part 2

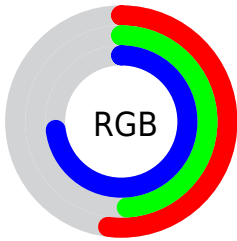
Format	Color
RYB	132, 125, 187
Decimal	8682939
CIELab	55.24, 16.76, -31.60
CIELCh	55, 35.774, 297.941
Yxy	23.1606, 0.2605, 0.2337
Android (android.graphics.Color)	4286873019 (0xFF847DBB)
YUV	134.1610, 26.0496, -1.8952
Hunter-Lab	48.1255, 11.5445, -28.0635

Details

The XYZ color **25.8190, 23.1606, 50.1233** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **40.2947, 46.7250, 26.2979**, and the grayscale version is **22.6312, 23.8098, 25.9288**.

A 20% lighter version of the original color is **52.3478, 48.7510, 91.4449**, and **10.1263, 8.5678, 23.3103** is the 20% darker color. If you saturate the color by 10%, you get **21.2798, 17.6314, 49.2957**, and if you desaturate by 10%, it is **31.2180, 29.7956, 51.1198**.

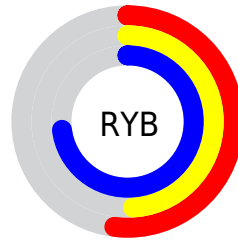
Distribution



Red (52%)

Green (49%)

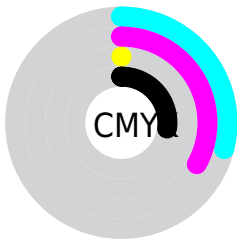
Blue (73%)



Red (52%)

Yellow (49%)

Blue (73%)

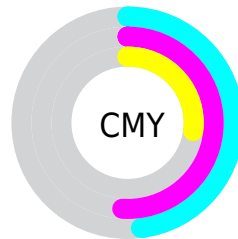


Cyan (29%)

Magenta (33%)

Yellow (0%)

Black (27%)



Cyan (48%)

Magenta (51%)

Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.8190, 23.1606, 50.1233 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 25.8190, 23.1606, 50.1233 by changing the saturation by 10% instead.

■ 25.8190, 23.1606,
50.1233

■ 25.8190, 23.1606,
50.1233

274.1655,
268.5488, 403.8968

■ 16.8203, 14.7121,
35.1395

■ 52.4162, 48.6569,
91.7557

■ 10.2009, 8.6176,
23.4859

■ 70.7453, 66.4735,
119.2414

■ 5.5957, 4.4926,
14.7441

■ 92.9153, 88.1817,
151.7315

■ 2.6391, 1.9528,
8.4953

119.2915,
114.1657, 189.6446

■ 0.9659, 0.5798,
4.3212

150.2393,
144.8100, 233.3991

■ 0.0000, 0.0000,
1.8032

186.1240,

■ 0.0000, 0.0000,

180.4991, 283.4136

0.4300

227.3109,
221.6172, 340.1066

■ 0.0000, 0.0000,
0.0000

■ 25.8190, 23.1606,
50.1233

■ 25.8190, 23.1606,
50.1233

■ 21.2798, 17.6314,
49.2957

■ 31.2180, 29.7956,
51.1198

■ 17.5534, 13.1451,
48.6262

■ 37.5156, 37.5893,
52.2922

■ 14.5922, 9.6366,
48.1050

■ 44.7513, 46.5943,
53.6490

■ 12.3421, 7.0325,
47.7210

■ 52.9613, 56.8595,
55.1977

■ 10.7424, 5.2488,
47.4610

■ 62.1801, 68.4307,
56.9453

■ 9.7215, 4.1854,
47.3095

■ 72.4404, 81.3518,
58.8985

■ 9.2814, 3.7486,
47.2484

■ 83.4847, 95.0868,
60.9676

■ 85.9697, 96.3679,
61.0838

Harmonies

Analogous

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



21.7382, 23.1606, 54.2708



25.8190, 23.1606, 50.1233



29.1993, 23.1606, 38.8156

Triad

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



25.8190, 23.1606, 50.1233



26.3552, 23.1606, 10.7735



15.1848, 23.1606, 24.4345

Complementary

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



25.8190, 23.1606, 50.1233



40.2947, 46.7250, 26.2979

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.



16.1154, 23.1606, 15.2368



25.8190, 23.1606, 50.1233



22.2911, 23.1606, 8.9848

Square

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



25.8190, 23.1606, 50.1233



29.5343, 23.1606, 16.2380



18.6015, 23.1606, 10.3307



15.8918, 23.1606, 37.0161

Rectangle

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



25.8190, 23.1606, 50.1233



30.4276, 23.1606, 30.1074



18.6015, 23.1606, 10.3307



15.3139, 23.1606, 20.8888

Sweetspot

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



25.8198, 23.1615, 50.1238



70.8884, 71.9162, 94.3464



33.9109, 40.9148, 53.1241



15.2223, 15.3543, 20.7039



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



25.8198, 23.1615, 50.1238



40.0103, 33.8808, 88.6323



31.2449, 25.9582, 50.3777



9.1139, 9.2756, 11.9822



6.4269, 2.5992, 32.5559



0.2853, 0.1191, 1.2768

Inverse Universe

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



36.0658, 28.5280, 46.7857



61.3502, 45.0664, 81.2953



34.0135, 43.4869, 26.0040



9.8823, 9.6772, 11.7692



18.8722, 9.1800, 25.6843



0.7526, 0.3649, 1.0765

Previews

White Background



This preview shows how the XYZ color 25.8190, 23.1606, 50.1233 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 25.8190, 23.1606, 50.1233 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 25.8190, 23.1606, 50.1233

Background



This preview shows how black text looks on a background with the XYZ color 25.8190, 23.1606, 50.1233.



This preview shows how white text looks on a background with the XYZ color 25.8190, 23.1606,

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

25.8190, 23.1606, 50.1233

Protanopia

24.0687, 23.1716, 52.4942

Deuteranopia

23.7893, 23.2885, 49.6957



Tritanopia

21.7275, 23.2748, 29.7329

Trichromacy



Original Color

25.8190, 23.1606, 50.1233

Protanomaly

24.6212, 23.0780, 51.8720

Deuteranomaly

24.4589, 23.2388, 49.6508

Tritanomaly

23.0656, 23.2063, 36.5213

Monochromacy



Original Color

25.8190, 23.1606, 50.1233

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

23.5389, 23.5191, 33.4360

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.8190, 23.1606, 50.1233 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(132, 125, 187)` looks like.

```
.text, #text, p{  
    color:rgb(132, 125, 187)  
}
```

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(132, 125, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 125, 187) }
```

Border

The CSS property to change the border of an element to XYZ 25.8190, 23.1606, 50.1233 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(132, 125, 187) }
```


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

```
.border{ border-color:rgb(132, 125, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 125, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 125, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 125, 187);  
box-shadow:4px 4px 4px 4px rgb(132, 125,  
187) }
```

Background

The CSS property to change the background color of an element to XYZ 25.8190, 23.1606, 50.1233 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 125, 187) }
```

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

```
.background{ background-color: rgb(132,  
125, 187) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor