

Converting Colors

XYZ(38.3881, 23.6850, 55.3717)

Have a look what the booklet for
XYZ(38.3881, 23.6850, 55.3717)
contains.

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Color

**XYZ(38.3881, 23.6850,
55.3717)**

Conversions

Conversions Part 1

Format	Color
Hex	CC57C5
RGB	204, 87, 197
RGB Percent	80%, 34%, 77%
CMY	0.2000, 0.6588, 0.2274
CMYK	0.00, 0.57, 0.03, 0.20
HSL	304°, 53%, 57%
HSV	304°, 57%, 80%
XYZ	38.3881, 23.6850, 55.3717
YIQ	134.5230, 34.4220, 59.0140

Conversions

Conversions Part 2

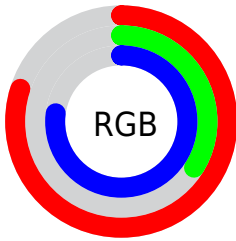
Format	Color
RYB	204, 87, 197
Decimal	13391813
CIELab	55.77, 60.23, -35.90
CIELCh	56, 70.119, 329.208
Yxy	23.6850, 0.3269, 0.2017
Android (android.graphics.Color)	4291581893 (0xFFCC57C5)
YUV	134.5230, 30.8012, 60.9313
Hunter-Lab	48.6672, 55.6309, -33.3908

Details

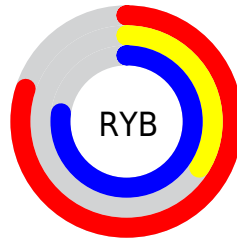
The XYZ color **38.3881, 23.6850, 55.3717** is a light color, and the websafe version is hex **CC66CC**. The color can be described as light muted magenta. A complement of this color would be **27.5448, 46.0211, 18.0224**, and the grayscale version is **22.7346, 23.9186, 26.0473**.

A 20% lighter version of the original color is **68.8024, 47.7618, 99.3586**, and **17.3599, 8.9250, 26.7943** is the 20% darker color. If you saturate the color by 10%, you get **36.8247, 20.7806, 54.1634**, and if you desaturate by 10%, it is **40.4209, 27.5252, 56.7424**.

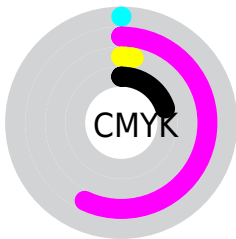
Distribution



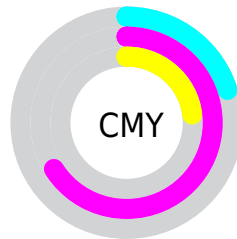
- Red (80%)
- Green (34%)
- Blue (77%)



- Red (80%)
- Yellow (34%)
- Blue (77%)



- Cyan (0%)
- Magenta (57%)
- Yellow (3%)
- Black (20%)





- Cyan (20%)
- Magenta (66%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.3881, 23.6850, 55.3717 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 38.3881, 23.6850, 55.3717 by changing the saturation by 10% instead.

 38.3881, 23.6850,
55.3717

 38.3881, 23.6850,
55.3717

330.5340,
271.2241, 424.6410


 26.4626, 15.1001,
39.2988


 72.0027, 49.5157,
99.5619


 17.3045, 8.8897,
26.6826


 94.4225, 67.5303,
128.5164

 10.5485, 4.6693,
17.1047


 121.0711, 89.4569,
162.6017

 5.8292, 2.0546,
10.1464

 152.3139,
115.6799, 202.2365

 2.7811, 0.6389,
5.3893

188.5163,
146.5837, 247.8393

 1.0391, 0.0000,
2.4147

230.0435,

 0.0000, 0.0000,

182.5528, 299.8286

0.7944

277.2610,
223.9714, 358.6230

■ 0.0000, 0.0000,
0.0000

■ 38.3881, 23.6850,
55.3717

■ 38.3881, 23.6850,
55.3717

■ 36.8247, 20.7806,
54.1634

■ 40.4209, 27.5252,
56.7424

■ 35.6878, 18.7278,
53.1027

■ 42.9563, 32.3694,
58.2861

■ 34.9307, 17.4331,
52.1741

■ 46.0274, 38.2832,
60.0140

■ 34.4883, 16.7659,
51.3560

■ 49.6638, 45.3259,
61.9359

■ 34.3938, 16.6342,
51.1477

■ 53.8930, 53.5522,
64.0610

■ 58.7406, 63.0134,
66.3980

■ 64.2306, 73.7577,
68.9547

■ 70.3859, 85.8308,
71.7389

■ 72.0457, 88.9110,
73.0303

Harmonies

Analogous

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



30.8383, 23.6850, 86.1019



38.3881, 23.6850, 55.3717



41.5491, 23.6850, 26.4000

Triad

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



38.3881, 23.6850, 55.3717



22.7242, 23.6850, 2.0995



11.6196, 23.6850, 53.6424

Complementary

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



38.3881, 23.6850, 55.3717



27.5448, 46.0211, 18.0224

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.



10.4126, 23.6850, 25.1874



38.3881, 23.6850, 55.3717



15.8378, 23.6850, 3.3291

Square

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



38.3881, 23.6850, 55.3717



31.2928, 23.6850, 3.4864



11.7564, 23.6850, 9.2269



15.5496, 23.6850, 84.7547

Rectangle

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



38.3881, 23.6850, 55.3717



40.2822, 23.6850, 13.8876



11.7564, 23.6850, 9.2269



10.9297, 23.6850, 43.0678

Sweetspot

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



38.3889, 23.6861, 55.3722



82.3312, 75.2262, 102.6140



18.8075, 13.4966, 58.7414



17.3427, 15.5589, 21.8190



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.



38.3889, 23.6861, 55.3722



60.4404, 33.4195, 89.2289



33.0190, 21.5381, 27.0942



11.6574, 11.3917, 13.9967



21.6600, 10.4746, 32.2581



1.1264, 0.5440, 1.7116

Inverse Universe

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



38.3889, 23.6861, 55.3722



60.4404, 33.4195, 89.2289



31.1388, 47.4587, 36.9480



11.6574, 11.3917, 13.9967



21.6600, 10.4746, 32.2581



1.1264, 0.5440, 1.7116

Previews

White Background



This preview shows how the XYZ color 38.3881, 23.6850, 55.3717 looks on a white background.

Color Contrast Check

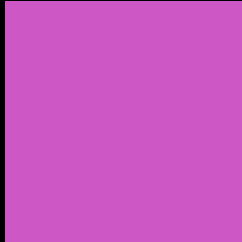
Large Text (above 18pt) WCAG AA ✓ Pass

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 38.3881, 23.6850, 55.3717 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

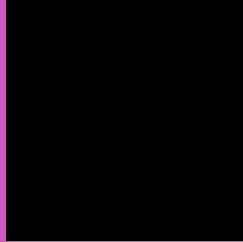
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 38.3881, 23.6850, 55.3717

Background



This preview shows how black text looks on a background with the XYZ color 38.3881, 23.6850, 55.3717.



This preview shows how white text looks on a background with the XYZ color 38.3881, 23.6850,

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

38.3881, 23.6850, 55.3717

Protanopia

27.0422, 24.2570, 81.8541

Deuteranopia

24.5123, 24.0266, 51.4898



Tritanopia

31.0206, 23.5882, 19.4410

Trichromacy



Original Color

38.3881, 23.6850, 55.3717



Protanomaly

28.3878, 22.2278, 71.2008



Deuteranomaly

27.7924, 22.4996, 52.7472



Tritanomaly

32.9567, 23.1644, 29.5222

Monochromacy



Original Color

38.3881, 23.6850, 55.3717



Achromatopsia

23.0288, 24.2281, 26.3844



Achromatomaly

27.1472, 22.8991, 35.3369

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.3881, 23.6850, 55.3717 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(204, 87, 197)` looks like.

```
.text, #text, p{  
    color:rgb(204, 87, 197)  
}
```

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(204, 87, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 87, 197) }
```

Border

The CSS property to change the border of an element to XYZ 38.3881, 23.6850, 55.3717 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(204, 87, 197) }
```


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

```
.border{ border-color:rgb(204, 87, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 87, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 87, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 87, 197);  
box-shadow:4px 4px 4px 4px rgb(204, 87,  
197) }
```

Background

The CSS property to change the background color of an element to XYZ 38.3881, 23.6850, 55.3717 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 87, 197) }
```

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

```
.background{ background-color: rgb(204, 87,  
197) }
```

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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