

Converting Colors

XYZ(37.7712, 25.9805, 57.4402)

Have a look what the booklet for
XYZ(37.7712, 25.9805, 57.4402)
contains.

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Color

**XYZ(37.8275, 25.9475,
57.6582)**

Conversions

Conversions Part 1

Format	Color
Hex	C26AC8
RGB	194, 106, 200
RGB Percent	76%, 42%, 78%
CMY	0.2392, 0.5843, 0.2157
CMYK	0.03, 0.47, 0.00, 0.22
HSL	296°, 46%, 60%
HSV	296°, 47%, 78%
XYZ	37.8275, 25.9475, 57.6582
YIQ	143.0280, 22.2740, 47.8900

Conversions

Conversions Part 2

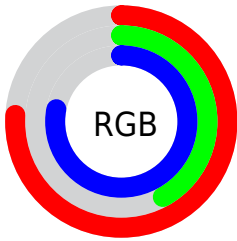
Format	Color
RYB	194, 106, 200
Decimal	12741320
CIELab	57.99, 48.87, -34.24
CIELCh	58, 59.676, 324.984
Yxy	25.9475, 0.3115, 0.2137
Android (android.graphics.Color)	4290931400 (0xFFC26AC8)
YUV	143.0280, 28.0872, 44.7024
Hunter-Lab	50.9387, 43.4129, -31.4541

Details

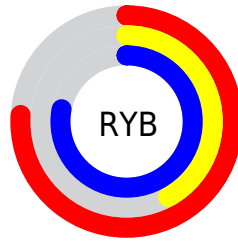
The XYZ color **37.8275, 25.9475, 57.6582** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **29.9387, 45.7945, 20.8981**, and the grayscale version is **26.0057, 27.3600, 29.7950**.

A 20% lighter version of the original color is **70.7657, 53.0571, 101.1190**, and **16.9887, 10.1169, 28.2515** is the 20% darker color. If you saturate the color by 10%, you get **35.6758, 22.1278, 57.0347**, and if you desaturate by 10%, it is **40.4644, 30.7321, 58.4431**.

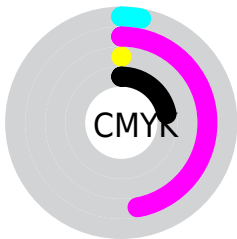
Distribution



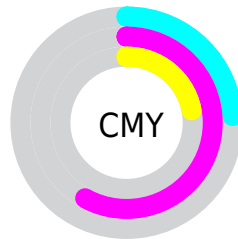
- Red (76%)
- Green (42%)
- Blue (78%)



- Red (76%)
- Yellow (42%)
- Blue (78%)



- Cyan (3%)
- Magenta (47%)
- Yellow (0%)
- Black (22%)





- Cyan (24%)
- Magenta (58%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.8275, 25.9475, 57.6582 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 37.8275, 25.9475, 57.6582 by changing the saturation by 10% instead.


 37.8275, 25.9475,
57.6582


 37.8275, 25.9475,
57.6582


328.1731,
282.5243, 433.4737

 26.0254, 16.7844,
41.1210


 71.1493, 53.1902,
102.9348

 16.9755, 10.0809,
28.0933


 93.3997, 72.0386,
132.5113

 10.3122, 5.4526,
18.1563


 119.8636, 94.8842,
167.2714

 5.6703, 2.5152,
10.8917

 150.9064,
122.1115, 207.6336

 2.6844, 0.8842,
5.8808

186.8933,
154.1047, 254.0163

 0.9891, 0.0000,
2.7051

228.1899,

 0.0000, 0.0000,

191.2483, 306.8382

0.9460

275.1613,
233.9267, 366.5179

■ 0.0000, 0.0000,
0.0000

■ 37.8275, 25.9475,
57.6582

■ 37.8275, 25.9475,
57.6582

■ 35.6758, 22.1278,
57.0347

■ 40.4644, 30.7321,
58.4431

■ 33.9727, 19.2017,
56.5597

■ 43.6144, 36.5395,
59.3980

■ 32.6808, 17.0938,
56.2209

■ 47.3066, 43.4270,
60.5329

■ 31.7553, 15.7146,
56.0035

■ 51.5669, 51.4467,
61.8563

■ 31.1359, 14.9436,
55.8873

■ 56.4198, 60.6472,
63.3764

■ 30.9767, 14.7648,
55.8612

■ 61.8883, 71.0746,
65.1008

■ 67.9939, 82.7721,
67.0369

■ 71.1457, 88.5577,
67.9875

■ 71.4975, 88.7390,
68.0040

Harmonies

Analogous

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



30.9841, 25.9475, 81.5870



37.8275, 25.9475, 57.6582



41.1847, 25.9475, 31.8633

Triad

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



37.8275, 25.9475, 57.6582



25.8928, 25.9475, 4.3016



14.1212, 25.9475, 48.5259

Complementary

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



37.8275, 25.9475, 57.6582



29.9387, 45.7945, 20.8981

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.



13.2817, 25.9475, 24.9252



37.8275, 25.9475, 57.6582



19.2648, 25.9475, 5.3980

Square

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



37.8275, 25.9475, 57.6582



33.4902, 25.9475, 6.6318



14.9725, 25.9475, 11.0615



17.5405, 25.9475, 74.7561

Rectangle

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



37.8275, 25.9475, 57.6582



40.5996, 25.9475, 19.1910



14.9725, 25.9475, 11.0615



13.5601, 25.9475, 39.7936

Sweetspot

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



37.8284, 25.9486, 57.6587



83.8666, 78.8701, 105.4110



22.1938, 18.8828, 57.1189



17.6209, 16.2619, 22.4601



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.



37.8284, 25.9486, 57.6587



61.8324, 38.4248, 98.7655



35.2554, 25.1009, 35.9101



11.0137, 10.7808, 13.4179



19.7250, 9.4029, 35.5197



0.9547, 0.4559, 1.6828

Inverse Universe

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



31.8989, 23.7583, 18.2347



50.5267, 34.2807, 22.1440



31.8445, 46.4716, 34.7868



10.6609, 10.6477, 11.1974



15.2023, 7.8305, 1.0093



0.7296, 0.3747, 0.0993

Previews

White Background



This preview shows how the XYZ color 37.8275, 25.9475, 57.6582 looks on a white background.

Color Contrast Check

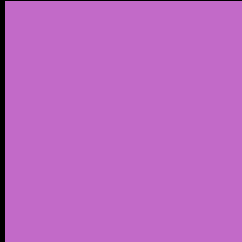
Large Text (above 18pt) WCAG AA ✓ Pass

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 37.8275, 25.9475, 57.6582 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

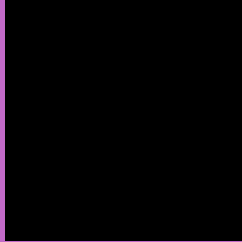
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 37.8275, 25.9475, 57.6582

Background



This preview shows how black text looks on a background with the XYZ color 37.8275, 25.9475, 57.6582.



This preview shows how white text looks on a background with the XYZ color 37.8275, 25.9475,

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

37.8275, 25.9475, 57.6582

Protanopia

28.4988, 26.3856, 75.5424

Deuteranopia

26.8521, 26.2096, 54.6826



Tritanopia

31.0639, 25.8720, 24.8293

Trichromacy



Original Color

37.8275, 25.9475, 57.6582



Protanomaly

30.3018, 25.2498, 68.9223



Deuteranomaly

29.6374, 25.2031, 55.5272



Tritanomaly

32.9852, 25.5824, 34.6519

Monochromacy



Original Color

37.8275, 25.9475, 57.6582



Achromatopsia

26.1081, 27.4677, 29.9124



Achromatomaly

29.5838, 26.3270, 38.6443

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.8275, 25.9475, 57.6582 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(194, 106, 200)` looks like.

```
.text, #text, p{  
    color:rgb(194, 106, 200)  
}
```

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(194, 106, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 106, 200) }
```

Border

The CSS property to change the border of an element to XYZ 37.8275, 25.9475, 57.6582 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(194, 106, 200) }
```


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

```
.border{ border-color:rgb(194, 106, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 106, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 106, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 106, 200);  
box-shadow:4px 4px 4px 4px rgb(194, 106,  
200) }
```

Background

The CSS property to change the background color of an element to XYZ 37.8275, 25.9475, 57.6582 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 106, 200) }
```

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

```
.background{ background-color: rgb(194,  
106, 200) }
```

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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