

Converting Colors

XYZ(34.8625, 25.4963, 37.2662)

Have a look what the booklet for
XYZ(34.8625, 25.4963, 37.2662)
contains.

XYZ(34.8625, 25.4963, 37.2662)	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(34.8625, 25.4963,
37.2662)**

Conversions

Conversions Part 1

Format	Color
Hex	C46EA2
RGB	196, 110, 162
RGB Percent	77%, 43%, 64%
CMY	0.2314, 0.5686, 0.3647
CMYK	0.00, 0.44, 0.17, 0.23
HSL	324°, 42%, 60%
HSV	324°, 44%, 77%
XYZ	34.8625, 25.4963, 37.2662
YIQ	141.6420, 34.5640, 34.4040

Conversions

Conversions Part 2

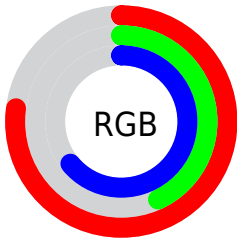
Format	Color
R _Y B	196, 110, 162
Decimal	12873378
CIE Lab	57.56, 40.86, -13.08
CIE LCh	58, 42.903, 342.251
Yxy	25.4963, 0.3571, 0.2612
Android (android.graphics.Color)	4291063458 (0xFFC46EA2)
YUV	141.6420, 10.0365, 47.6720
Hunter-Lab	50.4939, 34.8776, -8.4123

Details

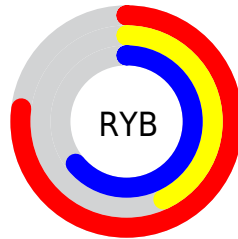
The XYZ color **34.8625, 25.4963, 37.2662** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **31.2056, 44.8093, 33.3921**, and the grayscale version is **25.5227, 26.8519, 29.2417**.

A 20% lighter version of the original color is **66.4946, 52.2750, 72.2311**, and **15.1937, 9.8292, 15.8483** is the 20% darker color. If you saturate the color by 10%, you get **32.3093, 21.4582, 33.1207**, and if you desaturate by 10%, it is **37.9274, 30.4891, 41.7923**.

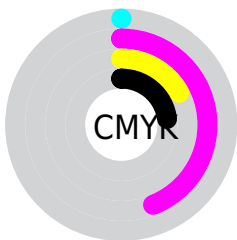
Distribution



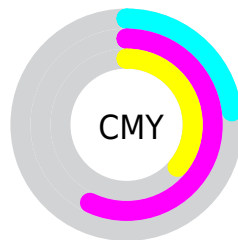
- Red (77%)
- Green (43%)
- Blue (64%)



- Red (77%)
- Yellow (43%)
- Blue (64%)



- Cyan (0%)
- Magenta (44%)
- Yellow (17%)
- Black (23%)





- Cyan (23%)
- Magenta (57%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.8625, 25.4963, 37.2662 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 34.8625, 25.4963, 37.2662 by changing the saturation by 10% instead.


 34.8625, 25.4963,
37.2662


 34.8625, 25.4963,
37.2662


315.4797,
280.3006, 349.6649


 23.7230, 16.4472,
25.1163


 66.6081, 52.4612,
72.1729


 15.2519, 9.8412,
15.9439


 87.9450, 71.1458,
95.7668

 9.0838, 5.2938,
9.3305


 113.4116, 93.8111,
124.0123

 4.8534, 2.4206,
4.8577

 143.3735,
120.8414, 157.3282

 2.1954, 0.8365,
2.1067

178.1958,
152.6211, 196.1328

 0.7403, 0.0000,
0.6198

218.2441,

 0.0000, 0.0000,

189.5346, 240.8448

0.0000

263.8836,
231.9663, 291.8826

■ 34.8625, 25.4963,
37.2662

■ 34.8625, 25.4963,
37.2662

■ 32.3093, 21.4582,
33.1207

■ 37.9274, 30.4891,
41.7923

■ 30.2334, 18.3086,
29.3397

■ 41.5308, 36.4901,
46.7107

■ 28.6001, 15.9783,
25.9082


■ 45.7002, 43.5527,
52.0345


■ 27.3680, 14.3865,
22.8084


■ 50.4605, 51.7260,
57.7753


■ 26.4877, 13.4354,
20.0196


■ 55.8352, 61.0555,
63.9445

 26.0654, 13.0560,
18.4444

 61.8465, 71.5845,
70.5527

 68.5153, 83.3539,
77.6102

 71.9790, 88.6374,
83.8325

 73.0543, 89.0675,
89.4950

Harmonies

Analogous

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



31.4684, 25.4963, 54.2745



34.8625, 25.4963, 37.2662



35.1746, 25.4963, 22.2013

Triad

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



34.8625, 25.4963, 37.2662



22.2052, 25.4963, 8.3272



17.6565, 25.4963, 51.3415

Complementary

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



34.8625, 25.4963, 37.2662



31.2056, 44.8093, 33.3921

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.



15.8349, 25.4963, 34.1794



34.8625, 25.4963, 37.2662



18.2023, 25.4963, 11.6925

Square

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



34.8625, 25.4963, 37.2662



27.3579, 25.4963, 8.6446



16.0195, 25.4963, 20.0276



21.3565, 25.4963, 64.1694

Rectangle

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



34.8625, 25.4963, 37.2662



33.5420, 25.4963, 15.2770



16.0195, 25.4963, 20.0276



16.8293, 25.4963, 45.6739

Sweetspot

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



34.8633, 25.4975, 37.2667



83.3325, 79.8273, 94.9366



26.8629, 20.9755, 54.8578



17.4511, 16.4291, 19.8412



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.



34.8633, 25.4975, 37.2667



58.5477, 38.9006, 60.0306



31.7341, 24.2458, 20.7888



10.3232, 10.1779, 11.7924



16.7914, 8.4063, 12.0795



0.7587, 0.3765, 0.6965

Inverse Universe

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



34.8633, 25.4975, 37.2667



58.5477, 38.9006, 60.0306



35.0307, 46.3393, 53.5346



10.3232, 10.1779, 11.7924



16.7914, 8.4063, 12.0795



0.7587, 0.3765, 0.6965

Previews

White Background



This preview shows how the XYZ color 34.8625, 25.4963, 37.2662 looks on a white background.

Color Contrast Check

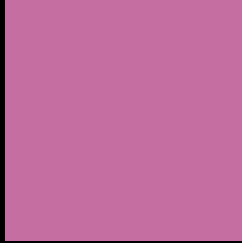
Large Text (above 18pt) WCAG AA ✓ Pass

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 34.8625, 25.4963, 37.2662 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

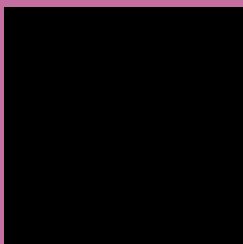
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 34.8625, 25.4963, 37.2662

Background



This preview shows how black text looks on a background with the XYZ color 34.8625, 25.4963, 37.2662.



This preview shows how white text looks on a background with the XYZ color 34.8625, 25.4963,

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

34.8625, 25.4963, 37.2662

Protanopia

26.0385, 25.7395, 47.3119

Deuteranopia

26.1632, 25.6362, 35.9171



Tritanopia

31.8654, 25.4354, 22.9687

Trichromacy



Original Color

34.8625, 25.4963, 37.2662

Protanomaly

28.1782, 24.9101, 43.3674

Deuteranomaly

28.6192, 25.1063, 36.1385

Tritanomaly

32.6698, 25.2362, 27.5753

Monochromacy



Original Color

34.8625, 25.4963, 37.2662

Achromatopsia

25.7108, 27.0498, 29.4572

Achromatomaly

28.3077, 25.8166, 31.9249

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.8625, 25.4963, 37.2662 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(196, 110, 162)` looks like.

```
.text, #text, p{  
    color:rgb(196, 110, 162)  
}
```

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(196, 110, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 110, 162) }
```

Border

The CSS property to change the border of an element to XYZ 34.8625, 25.4963, 37.2662 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(196, 110, 162) }
```


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

```
.border{ border-color:rgb(196, 110, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 110, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 110, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 110, 162);  
box-shadow:4px 4px 4px 4px rgb(196, 110,  
162) }
```

Background

The CSS property to change the background color of an element to XYZ 34.8625, 25.4963, 37.2662 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 110, 162) }
```

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

```
.background{ background-color: rgb(196,  
110, 162) }
```

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