

Converting Colors

XYZ(37.5878, 22.5554, 59.4995)

Have a look what the booklet for
XYZ(37.5878, 22.5554, 59.4995)
contains.

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Color

**XYZ(37.7358, 22.6736,
59.5143)**

Conversions

Conversions Part 1

Format	Color
Hex	C852CC
RGB	200, 82, 204
RGB Percent	78%, 32%, 80%
CMY	0.2157, 0.6784, 0.2000
CMYK	0.02, 0.60, 0.00, 0.20
HSL	298°, 54%, 56%
HSV	298°, 60%, 80%
XYZ	37.7358, 22.6736, 59.5143
YIQ	131.1900, 31.1660, 62.9580

Conversions

Conversions Part 2

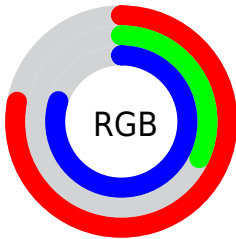
Format	Color
R _{YB}	200, 82, 204
Decimal	13128396
CIE _{Lab}	54.73, 62.60, -41.57
CIE _{LCh}	55, 75.142, 326.413
Yxy	22.6736, 0.3147, 0.1891
Android (android.graphics.Color)	4291318476 (0xFFC852CC)
YUV	131.1900, 35.8953, 60.3464
Hunter-Lab	47.6168, 58.1299, -40.7724

Details

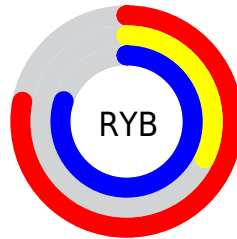
The XYZ color **37.7358, 22.6736, 59.5143** is a light color, and the websafe version is hex **CC66CC**. The color can be described as light muted magenta. A complement of this color would be **26.9544, 45.7739, 15.3983**, and the grayscale version is **21.5102, 22.6304, 24.6445**.

A 20% lighter version of the original color is **68.3785, 46.6570, 100.0095**, and **16.9378, 8.3801, 29.1586** is the 20% darker color. If you saturate the color by 10%, you get **36.2419, 19.9498, 59.0676**, and if you desaturate by 10%, it is **39.6893, 26.3141, 60.1144**.

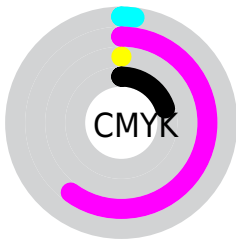
Distribution



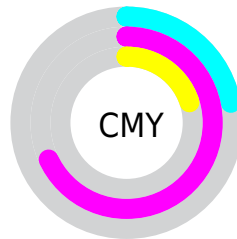
- Red (78%)
- Green (32%)
- Blue (80%)



- Red (78%)
- Yellow (32%)
- Blue (80%)



- Cyan (2%)
- Magenta (60%)
- Yellow (0%)
- Black (20%)





- Cyan (22%)
- Magenta (68%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.7358, 22.6736, 59.5143 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 37.7358, 22.6736, 59.5143 by changing the saturation by 10% instead.

 37.7358, 22.6736,
59.5143


 37.7358, 22.6736,
59.5143

327.7857,
266.0441, 440.5600

 25.9540, 14.3527,
42.6045

 71.0095, 47.8568,
105.6612


 16.9217, 8.3664,
29.2458

 93.2321, 65.4879,
135.7355

 10.2737, 4.3303,
19.0197


 119.6657, 86.9912,
171.0350

 5.6444, 1.8600,
11.5076

 150.6756,
112.7510, 211.9783

 2.6687, 0.5241,
6.2909

186.6272,
143.1519, 258.9839

 0.9811, 0.0000,
2.9511

227.8859,

 0.0000, 0.0000,

178.5780, 312.4703

1.0697

274.8169,
219.4140, 372.8562

■ 0.0000, 0.0000,
0.0000

■ 37.7358, 22.6736,
59.5143

■ 37.7358, 22.6736,
59.5143

■ 36.2419, 19.9498,
59.0676

■ 39.6893, 26.3141,
60.1144

■ 35.1633, 18.0560,
58.7589

■ 42.1366, 30.9419,
60.8786

■ 34.4512, 16.8940,
58.5722

■ 45.1117, 36.6240,
61.8186

■ 34.0151, 16.2829,
58.4772

■ 48.6447, 43.4208,
62.9443

■ 34.0072, 16.2723,
58.4756

■ 52.7635, 51.3880,
64.2650

■ 57.4942, 60.5778,
65.7895

■ 62.8612, 71.0392,
67.5259

■ 68.8877, 82.8183,
69.4818

■ 72.1183, 89.0043,
70.5056

Harmonies

Analogous

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



29.4440, 22.6736, 92.2582



37.7358, 22.6736, 59.5143



41.6854, 22.6736, 27.6543

Triad

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



37.7358, 22.6736, 59.5143



22.5629, 22.6736, 1.4096



10.1983, 22.6736, 51.0589

Complementary

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



37.7358, 22.6736, 59.5143



26.9544, 45.7739, 15.3983

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.



9.2389, 22.6736, 21.9413



37.7358, 22.6736, 59.5143



15.2113, 22.6736, 2.2225

Square

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



37.7358, 22.6736, 59.5143



31.6216, 22.6736, 2.8467



10.8157, 22.6736, 7.0702



13.8831, 22.6736, 85.5521

Rectangle

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



37.7358, 22.6736, 59.5143



40.7332, 22.6736, 13.9082



10.8157, 22.6736, 7.0702



9.5948, 22.6736, 39.9567

Sweetspot

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



37.7366, 22.6746, 59.5148



81.5636, 73.8458, 104.5625



17.7128, 12.8208, 58.6682



17.0581, 15.0344, 22.2528



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.



37.7366, 22.6746, 59.5148



59.3890, 31.9138, 97.6376



33.1916, 20.9816, 29.9328



11.6498, 11.3843, 14.1537



21.4206, 10.2503, 36.8058



1.1167, 0.5348, 1.8993

Inverse Universe

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



29.5996, 19.5448, 11.0175



44.8732, 26.3593, 9.8217



29.7287, 46.8423, 31.8764



11.2270, 11.2195, 11.7299



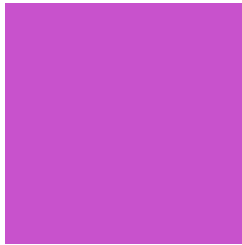
15.7033, 8.0919, 0.8903



0.8154, 0.4196, 0.0740

Previews

White Background



This preview shows how the XYZ color 37.7358, 22.6736, 59.5143 looks on a white background.

Color Contrast Check

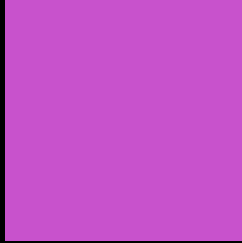
Large Text (above 18pt) WCAG AA ✓ Pass

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 37.7358, 22.6736, 59.5143 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

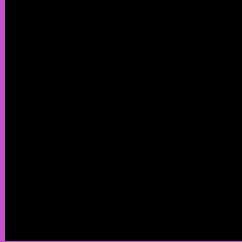
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 37.7358, 22.6736, 59.5143

Background



This preview shows how black text looks on a background with the XYZ color 37.7358, 22.6736, 59.5143.



This preview shows how white text looks on a background with the XYZ color 37.7358, 22.6736,

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

37.7358, 22.6736, 59.5143

Protanopia

26.8080, 23.3574, 90.2843

Deuteranopia

23.6736, 23.1017, 55.4359



Tritanopia

29.3385, 22.5720, 19.0302

Trichromacy



Original Color

37.7358, 22.6736, 59.5143



Protanomaly

27.4444, 20.9203, 78.1929



Deuteranomaly

26.6952, 21.3370, 56.7443



Tritanomaly

31.6265, 22.1794, 30.2179

Monochromacy



Original Color

37.7358, 22.6736, 59.5143



Achromatopsia

21.5731, 22.6966, 24.7166



Achromatomaly

25.7870, 21.3468, 35.1090

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.7358, 22.6736, 59.5143 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(200, 82, 204)` looks like.

```
.text, #text, p{  
    color:rgb(200, 82, 204)  
}
```

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(200, 82, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 82, 204) }
```

Border

The CSS property to change the border of an element to XYZ 37.7358, 22.6736, 59.5143 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(200, 82, 204) }
```


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

```
.border{ border-color:rgb(200, 82, 204) }
```

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

Here you see how a box with a 4 pixel rgb(200, 82, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 82, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 82, 204);  
box-shadow:4px 4px 4px 4px rgb(200, 82,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 37.7358, 22.6736, 59.5143 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 82, 204) }
```

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

```
.background{ background-color: rgb(200, 82,  
204) }
```

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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