

Converting Colors

XYZ(35.8694, 24.2690, 47.5936)

Have a look what the booklet for
XYZ(35.8694, 24.2690, 47.5936)
contains.

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Color

**XYZ(35.8694, 24.2690,
47.5936)**

Conversions

Conversions Part 1

Format	Color
Hex	C464B7
RGB	196, 100, 183
RGB Percent	77%, 39%, 72%
CMY	0.2314, 0.6078, 0.2824
CMYK	0.00, 0.49, 0.07, 0.23
HSL	308°, 45%, 58%
HSV	308°, 49%, 77%
XYZ	35.8694, 24.2690, 47.5936
YIQ	138.1660, 30.5730, 46.1650

Conversions

Conversions Part 2

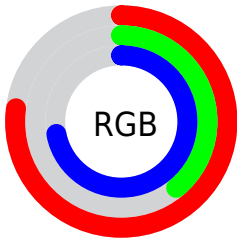
Format	Color
R _Y B	196, 100, 183
Decimal	12870839
CIE Lab	56.36, 49.45, -27.03
CIE LCh	56, 56.353, 331.334
Yxy	24.2690, 0.3330, 0.2253
Android (android.graphics.Color)	4291060919 (0xFFC464B7)
YUV	138.1660, 22.1032, 50.7204
Hunter-Lab	49.2636, 43.7567, -22.7956

Details

The XYZ color **35.8694, 24.2690, 47.5936** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **27.9772, 43.3824, 22.5235**, and the grayscale version is **24.1317, 25.3884, 27.6480**.

A 20% lighter version of the original color is **68.0086, 50.4140, 87.8078**, and **15.8610, 9.2202, 22.0628** is the 20% darker color. If you saturate the color by 10%, you get **33.9372, 20.8421, 45.5994**, and if you desaturate by 10%, it is **38.2606, 28.6045, 49.7670**.

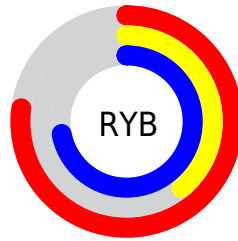
Distribution



Red (77%)

Green (39%)

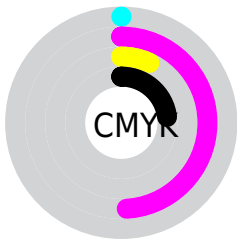
Blue (72%)



Red (77%)

Yellow (39%)

Blue (72%)

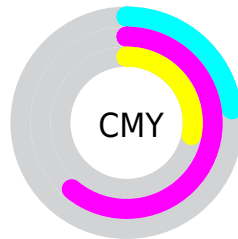


Cyan (0%)

Magenta (49%)

Yellow (7%)

Black (23%)



Cyan (23%)


Magenta (61%)


Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.8694, 24.2690, 47.5936 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 35.8694, 24.2690, 47.5936 by changing the saturation by 10% instead.

 35.8694, 24.2690,
47.5936


 35.8694, 24.2690,
47.5936

319.8306,
274.1776, 393.6411


 24.5030, 15.5333,
33.1475


 68.1556, 50.4688,
87.9582

 15.8339, 9.1945,
21.9674


 89.8062, 68.7017,
114.7138

 9.4968, 4.8683,
13.6349


 115.6154, 90.8691,
146.4097

 5.1263, 2.1702,
7.7313

 145.9488,
117.3554, 183.4642

 2.3571, 0.7037,
3.8382

181.1717,
148.5450, 226.2961

 0.8236, 0.0000,
1.5370

221.6493,

 0.0000, 0.0000,

184.8223, 275.3239

0.2453

267.7472,
226.5718, 330.9660

■ 0.0000, 0.0000,
0.0000

■ 35.8694, 24.2690,
47.5936

■ 35.8694, 24.2690,
47.5936

■ 33.9372, 20.8421,
45.5994

■ 38.2606, 28.6045,
49.7670

■ 32.4286, 18.2546,
43.7717

■ 41.1381, 33.9048,
52.1281

■ 31.3068, 16.4326,
42.0984


■ 44.5299, 40.2252,
54.6866


■ 30.5279, 15.2880,
40.5647


■ 48.4612, 47.6162,
57.4511


■ 30.0171, 14.6714,
39.1455


■ 52.9555, 56.1245,
60.4295

 29.9697, 14.6177,
39.0034

 58.0348, 65.7945,
63.6293

 63.7202, 76.6679,
67.0576

 69.4527, 87.6269,
70.5283

 69.7743, 87.7556,
72.2222

Harmonies

Analogous

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



30.1994, 24.2690, 70.3305



35.8694, 24.2690, 47.5936



37.9612, 24.2690, 25.5996

Triad

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



35.8694, 24.2690, 47.5936



22.7770, 24.2690, 4.3583



13.9505, 24.2690, 49.7639

Complementary

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



35.8694, 24.2690, 47.5936



27.9772, 43.3824, 22.5235

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.



12.6887, 24.2690, 27.2675



35.8694, 24.2690, 47.5936



17.1565, 24.2690, 6.1217

Square

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



35.8694, 24.2690, 47.5936



29.5998, 24.2690, 5.8125



13.7433, 24.2690, 12.7004



17.5738, 24.2690, 71.9443

Rectangle

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



35.8694, 24.2690, 47.5936



36.7840, 24.2690, 15.4206



13.7433, 24.2690, 12.7004



13.2704, 24.2690, 41.7110

Sweetspot

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



35.8702, 24.2701, 47.5941



83.2155, 77.6478, 100.8960



21.3065, 16.5986, 54.3061



17.4958, 16.0274, 21.3705



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.



35.8702, 24.2701, 47.5941



61.1871, 37.2482, 82.2781



31.7104, 22.6062, 25.6890



10.4367, 10.2233, 12.3903



19.2799, 9.4017, 25.1838



0.8496, 0.4129, 1.1754

Inverse Universe

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



35.8702, 24.2701, 47.5941



61.1871, 37.2482, 82.2781



31.4119, 44.7562, 40.6102



10.4367, 10.2233, 12.3903



19.2799, 9.4017, 25.1838



0.8496, 0.4129, 1.1754

Previews

White Background



This preview shows how the XYZ color 35.8694, 24.2690, 47.5936 looks on a white background.

Color Contrast Check

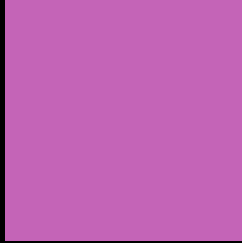
Large Text (above 18pt) WCAG AA ✓ Pass

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 35.8694, 24.2690, 47.5936 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

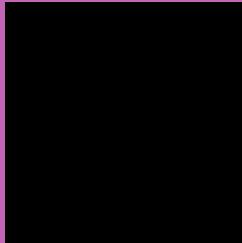
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 35.8694, 24.2690, 47.5936

Background



This preview shows how black text looks on a background with the XYZ color 35.8694, 24.2690, 47.5936.



This preview shows how white text looks on a background with the XYZ color 35.8694, 24.2690,

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

35.8694, 24.2690, 47.5936

Protanopia

26.0805, 24.5667, 63.6888

Deuteranopia

24.9275, 24.3850, 44.9879



Tritanopia

30.5164, 24.2586, 21.4863

Trichromacy



Original Color

35.8694, 24.2690, 47.5936



Protanomaly

28.0779, 23.4203, 57.6843



Deuteranomaly

27.7366, 23.5087, 45.7236



Tritanomaly

32.2409, 24.1574, 29.3491

Monochromacy



Original Color

35.8694, 24.2690, 47.5936



Achromatopsia

24.1572, 25.4152, 27.6772



Achromatomaly

27.3385, 24.1193, 33.7865

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.8694, 24.2690, 47.5936 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, 100, 183)` looks like.

```
.text, #text, p{  
    color:rgb(196, 100, 183)  
}
```

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, 100, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 100, 183) }
```

Border

The CSS property to change the border of an element to XYZ 35.8694, 24.2690, 47.5936 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, 100, 183) }
```


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

```
.border{ border-color:rgb(196, 100, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 100, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 100, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 100, 183);  
box-shadow:4px 4px 4px 4px rgb(196, 100,  
183) }
```

Background

The CSS property to change the background color of an element to XYZ 35.8694, 24.2690, 47.5936 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 100, 183) }
```

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

```
.background{ background-color: rgb(196,  
100, 183) }
```

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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