

# Converting Colors

XYZ(34.0491, 22.5920, 30.5416)

Have a look what the booklet for  
XYZ(34.0491, 22.5920, 30.5416)  
contains.

<b>XYZ(34.0743, 22.6298, 30.5890)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(34.0743, 22.6298,  
30.5890)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CC5C94
RGB	204, 92, 148
RGB Percent	80%, 36%, 58%
CMY	0.2000, 0.6392, 0.4196
CMYK	0.00, 0.55, 0.27, 0.20
HSL	330°, 52%, 58%
HSV	330°, 55%, 80%
XYZ	34.0743, 22.6298, 30.5890
YIQ	131.8720, 48.7760, 41.1600

# Conversions

## Conversions Part 2

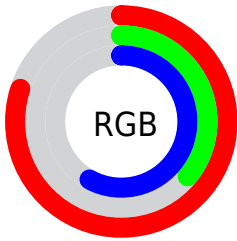
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	204, 92, 148
Decimal	13393044
CIE <sub>Lab</sub>	54.69, 50.50, -9.11
CIE <sub>LCh</sub>	55, 51.316, 349.774
Yxy	22.6298, 0.3903, 0.2592
Android (android.graphics.Color)	4291583124 (0xFFCC5C94)
YUV	131.8720, 7.9511, 63.2563
Hunter-Lab	47.5708, 44.6082, -4.8251

# Details

The XYZ color **34.0743, 22.6298, 30.5890** is a dark color, and the websafe version is hex **CC6699**. The color can be described as middle muted rose. A complement of this color would be **31.3530, 47.5999, 35.5548**, and the grayscale version is **21.8468, 22.9846, 25.0302**.

A 20% lighter version of the original color is **62.1796, 46.0820, 61.4946**, and **14.8519, 8.3892, 12.1458** is the 20% darker color. If you saturate the color by 10%, you get **31.7669, 19.2506, 26.0103**, and if you desaturate by 10%, it is **36.9299, 26.9912, 35.7019**.

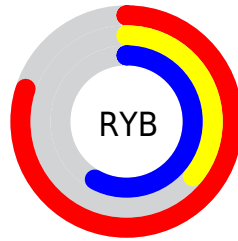
# Distribution



Red (80%)

Green (36%)

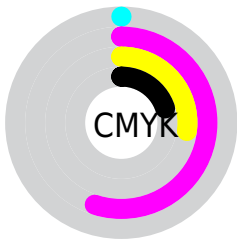
Blue (58%)



Red (80%)

Yellow (36%)

Blue (58%)

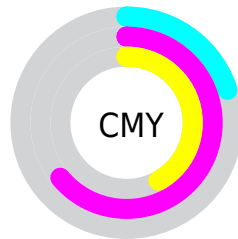


Cyan (0%)

Magenta (55%)

Yellow (27%)

Black (20%)



Cyan (20%)

Magenta (64%)


Yellow (42%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 34.0743, 22.6298, 30.5890 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 34.0743, 22.6298, 30.5890 by changing the saturation by 10% instead.




 34.0743, 22.6298,  
30.5890


 34.0743, 22.6298,  
30.5890


312.0433,  
265.8178, 318.9327

 23.1138, 14.3204,  
20.0302


 65.3927, 47.7847,  
61.6644


 14.7987, 8.3438,  
12.2327


 86.4814, 65.3991,  
83.0181

 8.7637, 4.3157,  
6.7779


 111.6768, 86.8838,  
108.8072

 4.6432, 1.8517,  
3.2473

 141.3444,  
112.6234, 139.4503

 2.0721, 0.5191,  
1.2222

175.8495,  
143.0022, 175.3658

 0.6740, 0.0000,  
0.0000

215.5575,

 0.0000, 0.0000,

178.4046, 216.9724

0.0000

260.8336,  
219.2150, 264.6885

■ 34.0743, 22.6298,  
30.5890

■ 34.0743, 22.6298,  
30.5890

■ 31.7669, 19.2506,  
26.0103

■ 36.9299, 26.9912,  
35.7019

■ 29.9648, 16.7711,  
21.9419

■ 40.3683, 32.4016,  
41.3687

■ 28.6213, 15.1011,  
18.3591

■ 44.4235, 38.9261,  
47.6092

■ 27.6792, 14.1291,  
15.2330

■ 49.1260, 46.6232,  
54.4418

■ 27.3000, 13.7966,  
13.7932

■ 54.5043, 55.5475,  
61.8838

■ 60.5854, 65.7501,  
69.9518

■ 67.3944, 77.2792,  
78.6615

■ 74.8894, 90.0484,  
88.0062

■ 76.3612, 90.6371,  
95.7566

# Harmonies

## Analogous

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



30.9189, 22.6298, 50.7008



34.0743, 22.6298, 30.5890



33.4421, 22.6298, 15.5393

# Triad

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



34.0743, 22.6298, 30.5890



18.0379, 22.6298, 5.4235



15.2263, 22.6298, 56.8604

# Complementary

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



34.0743, 22.6298, 30.5890



31.3530, 47.5999, 35.5548

# 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.



12.8174, 22.6298, 36.7403



34.0743, 22.6298, 30.5890



14.2328, 22.6298, 9.5101

# Square

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



34.0743, 22.6298, 30.5890



23.4966, 22.6298, 4.9493



12.4888, 22.6298, 19.5171



19.6367, 22.6298, 69.7135



# Rectangle

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



34.0743, 22.6298, 30.5890



30.9893, 22.6298, 9.6104



12.4888, 22.6298, 19.5171



14.1910, 22.6298, 50.3966

# Sweetspot

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



34.0750, 22.6309, 30.5894



80.2747, 75.4294, 88.6222



26.9402, 18.3112, 59.2415



16.8215, 15.5525, 18.4520



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.



34.0750, 22.6309, 30.5894



51.9599, 30.9623, 41.6887



30.6617, 21.2656, 12.6153



11.4423, 11.3057, 12.8639



17.2299, 8.7025, 8.9291



0.9272, 0.4643, 0.6624



# Inverse Universe

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



34.0750, 22.6309, 30.5894



51.9599, 30.9623, 41.6887



36.9063, 49.8212, 64.7982



11.4423, 11.3057, 12.8639



17.2299, 8.7025, 8.9291



0.9272, 0.4643, 0.6624



# Previews

## White Background



This preview shows how the XYZ color 34.0743, 22.6298, 30.5890 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

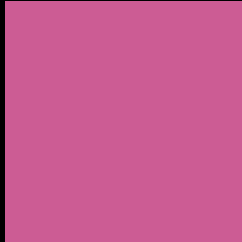
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 34.0743, 22.6298, 30.5890 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 34.0743, 22.6298, 30.5890**

## **Background**



This preview shows how black text looks on a background with the XYZ color 34.0743, 22.6298, 30.5890.



This preview shows how white text looks on a background with the XYZ color 34.0743, 22.6298,



# 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

34.0743, 22.6298, 30.5890

### Protanopia

23.2304, 22.9432, 43.2485

### Deuteranopia

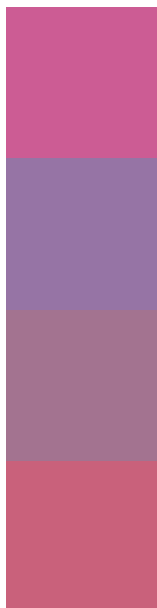
23.2491, 22.8803, 28.7822



## Tritanopia

31.0834, 22.4764, 16.8875

# Trichromacy



## Original Color

34.0743, 22.6298, 30.5890

## Protanomaly

25.6146, 21.6914, 38.4341

## Deuteranomaly

26.2690, 22.0616, 29.2593

## Tritanomaly

31.9372, 22.3970, 21.3787

# Monochromacy



## Original Color

34.0743, 22.6298, 30.5890

## Achromatopsia

21.9318, 23.0740, 25.1276

## Achromatomaly

25.0493, 21.8267, 26.9375

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 34.0743, 22.6298, 30.5890 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, 92, 148)` looks like.

```
.text, #text, p{  
    color:rgb(204, 92, 148)  
}
```

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, 92, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 92, 148) }
```

## Border

The CSS property to change the border of an element to XYZ 34.0743, 22.6298, 30.5890 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, 92, 148) }
```



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

```
.border{ border-color:rgb(204, 92, 148) }
```

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

Here you see how a box with a 4 pixel rgb(204, 92, 148) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 92, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 92, 148);  
box-shadow:4px 4px 4px 4px rgb(204, 92,  
148) }
```

# Background

The CSS property to change the background color of an element to XYZ 34.0743, 22.6298, 30.5890 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 92, 148) }
```

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

```
.background{ background-color: rgb(204, 92,  
148) }
```

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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