

Converting Colors

XYZ(42.1318, 30.4771, 58.7552)

Have a look what the booklet for
XYZ(42.1318, 30.4771, 58.7552)
contains.

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Color

**XYZ(42.1609, 30.4874,
58.9209)**

Conversions

Conversions Part 1

Format	Color
Hex	CC78C9
RGB	204, 120, 201
RGB Percent	80%, 47%, 79%
CMY	0.2000, 0.5294, 0.2118
CMYK	0.00, 0.41, 0.01, 0.20
HSL	302°, 45%, 64%
HSV	302°, 41%, 80%
XYZ	42.1609, 30.4874, 58.9209
YIQ	154.3500, 24.0630, 42.9990

Conversions

Conversions Part 2

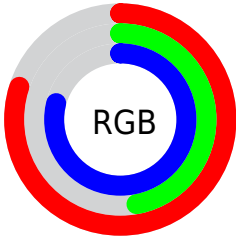
Format	Color
R_{YB}	204, 120, 201
Decimal	13400265
CIE _{Lab}	62.07, 44.80, -28.37
CIE _{LCh}	62, 53.032, 327.656
Yxy	30.4874, 0.3204, 0.2317
Android (android.graphics.Color)	4291590345 (0xFFCC78C9)
YUV	154.3500, 22.9985, 43.5431
Hunter-Lab	55.2154, 39.6706, -24.6182

Details

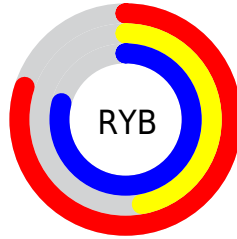
The XYZ color **42.1609, 30.4874, 58.9209** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **32.9150, 48.6099, 26.3885**, and the grayscale version is **30.7645, 32.3667, 35.2473**.

A 20% lighter version of the original color is **74.4261, 58.7521, 102.0254**, and **19.5463, 12.5367, 28.9934** is the 20% darker color. If you saturate the color by 10%, you get **39.8787, 26.0591, 57.7385**, and if you desaturate by 10%, it is **44.9682, 35.9638, 60.2809**.

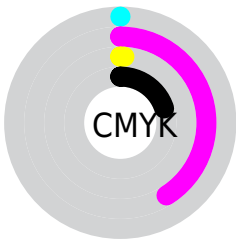
Distribution



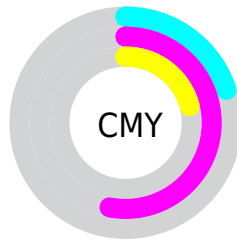
- Red (80%)
- Green (47%)
- Blue (79%)



- Red (80%)
- Yellow (47%)
- Blue (79%)



- Cyan (0%)
- Magenta (41%)
- Yellow (1%)
- Black (20%)





- Cyan (20%)
- Magenta (53%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.1609, 30.4874, 58.9209 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 42.1609, 30.4874, 58.9209 by changing the saturation by 10% instead.

 42.1609, 30.4874,
58.9209


 42.1609, 30.4874,
58.9209

346.1298,
304.1698, 438.3024


 29.4190, 20.2088,
42.1299


 77.7067, 60.4321,
104.7907

 19.5439, 12.5469,
28.8767


 101.2413, 80.8671,
134.7065

 12.1702, 7.1173,
18.7428


 129.1042,
105.4563, 169.8343

 6.9328, 3.5356,
11.3096

161.6606,
134.5841, 210.5927

 3.4660, 1.4173,
6.1587

199.2761,
168.6350, 257.4001

 1.4047, 0.2294,
2.8715

242.3158,

 0.2596, 0.0000,

207.9933, 310.6752

1.0294

291.1453,
253.0434, 370.8365

■ 0.0000, 0.0000,
0.0000

■ 42.1609, 30.4874,
58.9209

■ 42.1609, 30.4874,
58.9209

■ 39.8787, 26.0591,
57.7385

■ 44.9682, 35.9638,
60.2809

■ 38.0849, 22.6079,
56.7207

■ 48.3280, 42.5453,
61.8268

■ 36.7434, 20.0603,
55.8555

■ 52.2696, 50.2896,
63.5686

■ 35.8112, 18.3309,
55.1289

■ 56.8191, 59.2493,
65.5152

■ 35.2376, 17.3179,
54.5237

■ 62.0014, 69.4737,
67.6746

■ 34.9474, 16.8556,
54.0633

■ 67.8397, 81.0094,
70.0547

■ 71.8150, 88.8187,
71.8159

■ 71.9039, 88.8542,
72.2835

■ 71.9931, 88.8899,
72.7534

Harmonies

Analogous

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



35.8128, 30.4874, 81.4851



42.1609, 30.4874, 58.9209



44.9339, 30.4874, 34.8259

Triad

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



42.1609, 30.4874, 58.9209



29.5412, 30.4874, 7.4005



18.4580, 30.4874, 54.9404

Complementary

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



42.1609, 30.4874, 58.9209



32.9150, 48.6099, 26.3885

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.



17.3314, 30.4874, 31.6170



42.1609, 30.4874, 58.9209



23.0722, 30.4874, 9.1601

Square

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



42.1609, 30.4874, 58.9209



36.9418, 30.4874, 9.8571



18.8758, 30.4874, 16.3187



22.2487, 30.4874, 78.6005

Rectangle

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



42.1609, 30.4874, 58.9209



44.0900, 30.4874, 22.6608



18.8758, 30.4874, 16.3187



17.7853, 30.4874, 46.5745

Sweetspot

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



42.1619, 30.4888, 58.9215



85.8778, 81.9364, 104.9769



25.7568, 21.9904, 60.0144



18.1871, 17.1557, 22.3845



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.



42.1619, 30.4888, 58.9215



66.5689, 44.1744, 95.9024



37.8949, 28.7819, 36.4516



11.6696, 11.3966, 14.0605



22.0038, 10.6121, 34.0682



1.1407, 0.5497, 1.7867

Inverse Universe

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



42.1619, 30.4888, 58.9215



66.5689, 44.1744, 95.9024



36.1131, 49.8891, 43.2295



11.6696, 11.3966, 14.0605



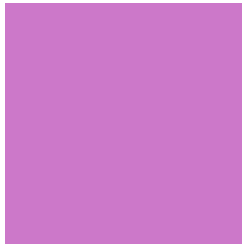
22.0038, 10.6121, 34.0682



1.1407, 0.5497, 1.7867

Previews

White Background



This preview shows how the XYZ color 42.1609, 30.4874, 58.9209 looks on a white background.

Color Contrast Check

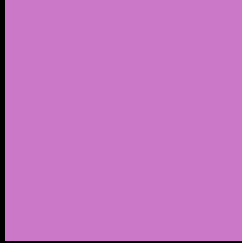
Large Text (above 18pt) WCAG AA × Fail

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 42.1609, 30.4874, 58.9209 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

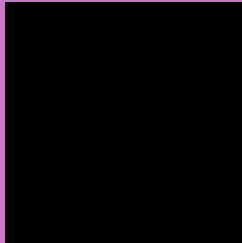
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.1609, 30.4874, 58.9209

Background



This preview shows how black text looks on a background with the XYZ color 42.1609, 30.4874, 58.9209.



This preview shows how white text looks on a background with the XYZ color 42.1609, 30.4874,

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

42.1609, 30.4874, 58.9209

Protanopia

32.3666, 30.8675, 74.0642

Deuteranopia

31.3689, 30.7408, 56.5048



Tritanopia

36.3714, 30.6285, 29.9815

Trichromacy



Original Color

42.1609, 30.4874, 58.9209

Protanomaly

34.6806, 29.9533, 68.2437

Deuteranomaly

34.3858, 30.0407, 57.4122

Tritanomaly

38.2394, 30.3980, 38.9739

Monochromacy



Original Color

42.1609, 30.4874, 58.9209

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

34.0369, 31.0569, 42.7287

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.1609, 30.4874, 58.9209 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, 120, 201)` looks like.

```
.text, #text, p{  
    color:rgb(204, 120, 201)  
}
```

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, 120, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 120, 201) }
```

Border

The CSS property to change the border of an element to XYZ 42.1609, 30.4874, 58.9209 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, 120, 201) }
```


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

```
.border{ border-color:rgb(204, 120, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 120, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 120, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 120, 201);  
box-shadow:4px 4px 4px 4px rgb(204, 120,  
201) }
```

Background

The CSS property to change the background color of an element to XYZ 42.1609, 30.4874, 58.9209 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 120, 201) }
```

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

```
.background{ background-color: rgb(204,  
120, 201) }
```

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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