

Converting Colors

XYZ(40.7947, 30.1583, 47.9801)

Have a look what the booklet for
XYZ(40.7947, 30.1583, 47.9801)
contains.

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Color

**XYZ(40.7345, 30.1740,
47.9332)**

Conversions

Conversions Part 1

Format	Color
Hex	CE79B6
RGB	206, 121, 182
RGB Percent	81%, 47%, 71%
CMY	0.1922, 0.5255, 0.2863
CMYK	0.00, 0.41, 0.12, 0.19
HSL	317°, 46%, 64%
HSV	317°, 41%, 81%
XYZ	40.7345, 30.1740, 47.9332
YIQ	153.3690, 31.0790, 36.9910

Conversions

Conversions Part 2

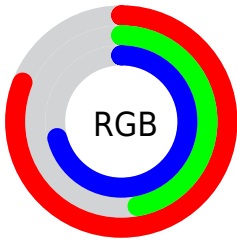
Format	Color
R _Y B	206, 121, 182
Decimal	13531574
CIE Lab	61.80, 41.61, -18.00
CIE LCh	62, 45.338, 336.609
Yxy	30.1740, 0.3428, 0.2539
Android (android.graphics.Color)	4291721654 (0xFFCE79B6)
YUV	153.3690, 14.1151, 46.1574
Hunter-Lab	54.9309, 36.2393, -13.2854

Details

The XYZ color **40.7345, 30.1740, 47.9332** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **35.0687, 50.2529, 34.6417**, and the grayscale version is **30.3708, 31.9525, 34.7962**.

A 20% lighter version of the original color is **72.0026, 58.0930, 88.3070**, and **18.6682, 12.3253, 22.1640** is the 20% darker color. If you saturate the color by 10%, you get **37.9047, 25.4561, 44.0855**, and if you desaturate by 10%, it is **44.1257, 35.9737, 52.0919**.

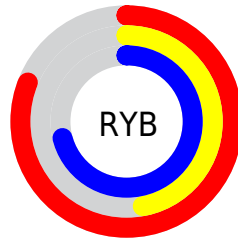
Distribution



Red (81%)

Green (47%)

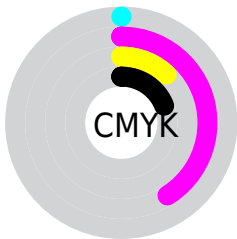
Blue (71%)



Red (81%)

Yellow (47%)

Blue (71%)

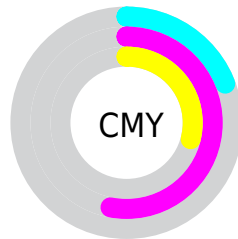


Cyan (0%)

Magenta (41%)

Yellow (12%)

Black (19%)



Cyan (19%)


Magenta (53%)


Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.7345, 30.1740, 47.9332 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 40.7345, 30.1740, 47.9332 by changing the saturation by 10% instead.


 40.7345, 30.1740,
47.9332


 40.7345, 30.1740,
47.9332

340.2913,
302.7147, 395.0284

 28.2984, 19.9707,
33.4144


 75.5579, 59.9372,
88.4695

 18.6924, 12.3737,
22.1704


 98.6760, 80.2660,
115.3240

 11.5509, 6.9988,
13.7826

 126.0855,
104.7386, 147.1274

 6.5087, 3.4613,
7.8326

158.1518,
133.7396, 184.2984

 3.2003, 1.3771,
3.9018

195.2401,
167.6533, 227.2555

 1.2606, 0.1997,
1.5716

237.7159,

 0.1534, 0.0000,

206.8641, 276.4171

0.2704

285.9445,
251.7564, 332.2019

■ 0.0000, 0.0000,
0.0000

■ 40.7345, 30.1740,
47.9332

■ 40.7345, 30.1740,
47.9332

■ 37.9047, 25.4561,
44.0855

■ 44.1257, 35.9737,
52.0919

■ 35.5987, 21.7470,
40.5339

■ 48.1070, 42.9137,
56.5716

■ 33.7790, 18.9712,
37.2645

■ 52.7085, 51.0533,
61.3842

■ 32.4014, 17.0411,
34.2613

■ 57.9575, 60.4464,
66.5400

■ 31.4131, 15.8519,
31.5049

■ 63.8796, 71.1437,
72.0491

■ 30.7859, 15.2548,
29.2694

■ 70.4987, 83.1931,
77.9208

■ 74.4952, 89.9545,
83.0499

■ 75.2919, 90.2732,
87.2452

■ 76.1158, 90.6027,
91.5838

Harmonies

Analogous

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



36.1902, 30.1740, 67.5053



40.7345, 30.1740, 47.9332



41.8548, 30.1740, 29.1677

Triad

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



40.7345, 30.1740, 47.9332



27.3615, 30.1740, 9.6301



20.3192, 30.1740, 56.9928

Complementary

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



40.7345, 30.1740, 47.9332



35.0687, 50.2529, 34.6417

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.



18.6074, 30.1740, 36.8393



40.7345, 30.1740, 47.9332



22.2872, 30.1740, 12.7127

Square

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



40.7345, 30.1740, 47.9332



33.5495, 30.1740, 10.7836



19.2737, 30.1740, 21.3245



24.3051, 30.1740, 73.8932

Rectangle

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



40.7345, 30.1740, 47.9332



40.3867, 30.1740, 20.0787



19.2737, 30.1740, 21.3245



19.4863, 30.1740, 50.1472

Sweetspot

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



40.7354, 30.1754, 47.9338



84.6931, 81.4625, 98.7384



29.4229, 24.0320, 61.4810



17.9067, 17.0436, 20.9080



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.



40.7354, 30.1754, 47.9338



61.6800, 41.6826, 71.8111



37.0875, 28.7162, 28.7240



11.5472, 11.3476, 13.4161



19.0001, 9.4106, 18.2512



1.0116, 0.4981, 1.1072

Inverse Universe

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



40.7354, 30.1754, 47.9338



61.6800, 41.6826, 71.8111



38.8383, 51.7607, 54.4922



11.5472, 11.3476, 13.4161



19.0001, 9.4106, 18.2512



1.0116, 0.4981, 1.1072

Previews

White Background



This preview shows how the XYZ color 40.7345, 30.1740, 47.9332 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 40.7345, 30.1740, 47.9332 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

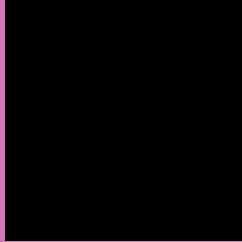
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.7345, 30.1740, 47.9332

Background



This preview shows how black text looks on a background with the XYZ color 40.7345, 30.1740, 47.9332.



This preview shows how white text looks on a background with the XYZ color 40.7345, 30.1740,

47.9332.

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

40.7345, 30.1740, 47.9332

Protanopia

31.1242, 30.5478, 59.5142

Deuteranopia

31.0773, 30.3514, 46.3399



Tritanopia

36.7302, 30.2469, 28.3284

Trichromacy



Original Color

40.7345, 30.1740, 47.9332



Protanomaly

33.5240, 29.6491, 54.9949



Deuteranomaly

33.8769, 29.8039, 46.6150



Tritanomaly

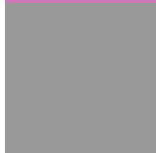
38.1344, 30.2418, 34.8377

Monochromacy



Original Color

40.7345, 30.1740, 47.9332



Achromatopsia

30.2779, 31.8547, 34.6897



Achromatomaly

33.2390, 30.5007, 39.2573

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.7345, 30.1740, 47.9332 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(206, 121, 182)` looks like.

```
.text, #text, p{  
    color:rgb(206, 121, 182)  
}
```

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(206, 121, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 121, 182) }
```

Border

The CSS property to change the border of an element to XYZ 40.7345, 30.1740, 47.9332 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(206, 121, 182) }
```


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

```
.border{ border-color:rgb(206, 121, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 121, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 121, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 121, 182);  
box-shadow:4px 4px 4px 4px rgb(206, 121,  
182) }
```

Background

The CSS property to change the background color of an element to XYZ 40.7345, 30.1740, 47.9332 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 121, 182) }
```

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

```
.background{ background-color: rgb(206,  
121, 182) }
```

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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