

Converting Colors

XYZ(34.6470, 19.9875, 51.6420)

Have a look what the booklet for
XYZ(34.6470, 19.9875, 51.6420)
contains.

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Color

**XYZ(34.7305, 20.0564,
51.9099)**

Conversions

Conversions Part 1

Format	Color
Hex	C546C0
RGB	197, 70, 192
RGB Percent	77%, 27%, 75%
CMY	0.2274, 0.7255, 0.2471
CMYK	0.00, 0.64, 0.03, 0.23
HSL	302°, 52%, 52%
HSV	302°, 64%, 77%
XYZ	34.7305, 20.0564, 51.9099
YIQ	121.8810, 36.5300, 64.8660

Conversions

Conversions Part 2

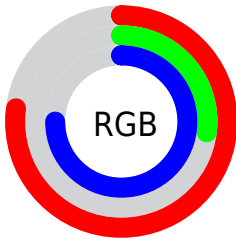
Format	Color
RYB	197, 70, 192
Decimal	12928704
CIELab	51.90, 64.78, -39.17
CIELCh	52, 75.705, 328.842
Yxy	20.0564, 0.3255, 0.1880
Android (android.graphics.Color)	4291118784 (0xFFC546C0)
YUV	121.8810, 34.5687, 65.8794
Hunter-Lab	44.7844, 60.0550, -37.3744

Details

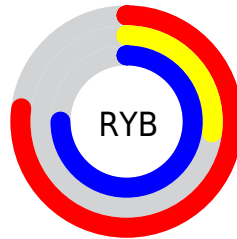
The XYZ color **34.7305, 20.0564, 51.9099** is a light color, and the websafe version is hex **CC33CC**. The color can be described as light muted magenta. A complement of this color would be **23.7629, 41.7434, 13.4627**, and the grayscale version is **18.3434, 19.2987, 21.0163**.

A 20% lighter version of the original color is **65.9283, 43.2783, 94.5013**, and **15.4027, 7.4104, 24.6633** is the 20% darker color. If you saturate the color by 10%, you get **33.6087, 17.9494, 51.1131**, and if you desaturate by 10%, it is **36.2583, 22.9736, 52.8445**.

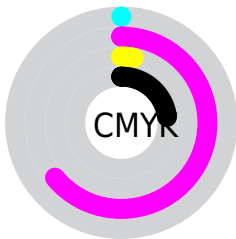
Distribution



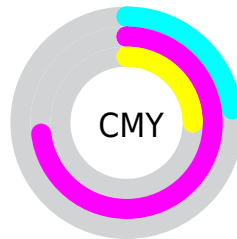
- Red (77%)
- Green (27%)
- Blue (75%)



- Red (77%)
- Yellow (27%)
- Blue (75%)



- Cyan (0%)
- Magenta (64%)
- Yellow (3%)
- Black (23%)




- Cyan (23%)
- Magenta (73%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.7305, 20.0564, 51.9099 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 34.7305, 20.0564, 51.9099 by changing the saturation by 10% instead.

 34.7305, 20.0564,
51.9099


 34.7305, 20.0564,
51.9099


314.9061,
252.2203, 411.0357


 23.6209, 12.4360,
36.5515


 66.4048, 43.5117,
94.4236


 15.1758, 7.0414,
24.5674


 87.7003, 60.1155,
122.4159

 9.0300, 3.4880,
15.5390


 113.1217, 80.4825,
155.4567

 4.8180, 1.3915,
9.0477

 143.0345,
104.9972, 193.9645

 2.1745, 0.2104,
4.6751

 177.8039,
134.0439, 238.3577

 0.7293, 0.0000,
2.0025

217.7954,

 0.0000, 0.0000,

168.0071, 289.0549

0.5568

263.3744,
207.2710, 346.4748

■ 0.0000, 0.0000,
0.0000

■ 34.7305, 20.0564,
51.9099

■ 34.7305, 20.0564,
51.9099

■ 33.6087, 17.9494,
51.1131

■ 36.2583, 22.9736,
52.8445

■ 32.8494, 16.5673,
50.4393

■ 38.2256, 26.7696,
53.9278

■ 32.4034, 15.8111,
49.8721

■ 40.6649, 31.5088,
55.1706

■ 32.2380, 15.5552,
49.5863

■ 43.6051, 37.2490,
56.5825

■ 47.0726, 44.0432,
58.1726

■ 51.0922, 51.9407,
59.9488

■ 55.6868, 60.9878,
61.9191

■ 60.8785, 71.2280,
64.0906

■ 66.6877, 82.7026,
66.4702

Harmonies

Analogous

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



27.1263, 20.0564, 83.9379



34.7305, 20.0564, 51.9099



38.0072, 20.0564, 22.7056

Triad

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



34.7305, 20.0564, 51.9099



19.3636, 20.0564, 0.9645



8.8194, 20.0564, 49.3127

Complementary

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



34.7305, 20.0564, 51.9099



23.7629, 41.7434, 13.4627

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.



7.7684, 20.0564, 20.9928



34.7305, 20.0564, 51.9099



12.7805, 20.0564, 1.7797

Square

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



34.7305, 20.0564, 51.9099



27.7868, 20.0564, 1.9456



8.9995, 20.0564, 6.4342



12.3878, 20.0564, 81.8541

Rectangle

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



34.7305, 20.0564, 51.9099



36.7700, 20.0564, 10.8144



8.9995, 20.0564, 6.4342



8.2106, 20.0564, 38.5764

Sweetspot

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



34.7312, 20.0573, 51.9103



81.1883, 72.7656, 102.7716



15.1112, 9.8777, 53.9341



16.9994, 14.8340, 21.8230



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.



34.7312, 20.0573, 51.9103



59.6160, 31.0841, 91.0707



29.1972, 17.8437, 22.7686



11.0644, 10.8091, 13.3222



21.2117, 10.2343, 32.6545



1.0101, 0.4869, 1.5765

Inverse Universe

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



34.7312, 20.0573, 51.9103



59.6160, 31.0841, 91.0707



27.0611, 43.0626, 30.8306



11.0644, 10.8091, 13.3222



21.2117, 10.2343, 32.6545



1.0101, 0.4869, 1.5765

Previews

White Background



This preview shows how the XYZ color 34.7305, 20.0564, 51.9099 looks on a white background.

Color Contrast Check

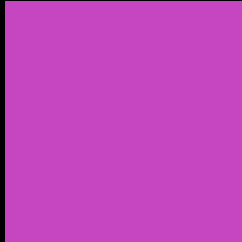
Large Text (above 18pt) WCAG AA ✓ Pass

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 34.7305, 20.0564, 51.9099 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

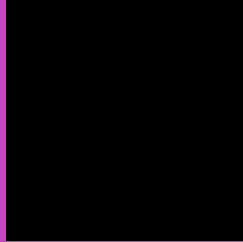
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 34.7305, 20.0564, 51.9099

Background



This preview shows how black text looks on a background with the XYZ color 34.7305, 20.0564, 51.9099.



This preview shows how white text looks on a background with the XYZ color 34.7305, 20.0564,

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

34.7305, 20.0564, 51.9099

Protanopia

23.8940, 20.5055, 83.5875

Deuteranopia

20.7758, 20.2375, 47.6110



Tritanopia

27.1246, 19.9098, 15.2453

Trichromacy



Original Color

34.7305, 20.0564, 51.9099



Protanomaly

24.1092, 17.9744, 70.6053



Deuteranomaly

23.8049, 18.5967, 48.7892



Tritanomaly

29.2672, 19.6420, 25.1704

Monochromacy



Original Color

34.7305, 20.0564, 51.9099



Achromatopsia

18.4984, 19.4618, 21.1939



Achromatomaly

22.5111, 18.1966, 29.9296

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.7305, 20.0564, 51.9099 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(197, 70, 192)` looks like.

```
.text, #text, p{  
    color:rgb(197, 70, 192)  
}
```

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(197, 70, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 70, 192) }
```

Border

The CSS property to change the border of an element to XYZ 34.7305, 20.0564, 51.9099 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(197, 70, 192) }
```


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

```
.border{ border-color:rgb(197, 70, 192) }
```

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

Here you see how a box with a 4 pixel rgb(197, 70, 192) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 70, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 70, 192);  
box-shadow:4px 4px 4px 4px rgb(197, 70,  
192) }
```

Background

The CSS property to change the background color of an element to XYZ 34.7305, 20.0564, 51.9099 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 70, 192) }
```

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

```
.background{ background-color: rgb(197, 70,  
192) }
```

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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