

Converting Colors

XYZ(35.0887, 22.8576, 52.3846)

Have a look what the booklet for
XYZ(35.0887, 22.8576, 52.3846)
contains.

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Color

**XYZ(35.1670, 22.8409,
52.4244)**

Conversions

Conversions Part 1

Format	Color
Hex	C05DC0
RGB	192, 93, 192
RGB Percent	75%, 36%, 75%
CMY	0.2471, 0.6353, 0.2471
CMYK	0.00, 0.52, 0.00, 0.25
HSL	300°, 44%, 56%
HSV	300°, 52%, 75%
XYZ	35.1670, 22.8409, 52.4244
YIQ	133.8870, 27.2250, 51.7770

Conversions

Conversions Part 2

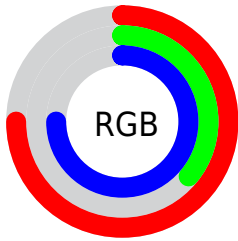
Format	Color
R_{YB}	192, 93, 192
Decimal	12606912
CIE _{Lab}	54.91, 53.31, -34.50
CIE _{LCh}	55, 63.502, 327.093
Yxy	22.8409, 0.3184, 0.2068
Android (android.graphics.Color)	4290796992 (0xFFC05DC0)
YUV	133.8870, 28.6497, 50.9651
Hunter-Lab	47.7922, 47.7098, -31.5822

Details

The XYZ color **35.1670, 22.8409, 52.4244** is a light color, and the websafe version is hex **CC66CC**. The color can be described as light muted magenta. A complement of this color would be **25.3406, 40.8177, 16.9002**, and the grayscale version is **22.5105, 23.6828, 25.7905**.

A 20% lighter version of the original color is **66.9569, 48.0310, 95.3644**, and **15.4339, 8.4554, 24.8634** is the 20% darker color. If you saturate the color by 10%, you get **33.6888, 19.8839, 51.9318**, and if you desaturate by 10%, it is **37.0698, 26.6460, 53.0590**.

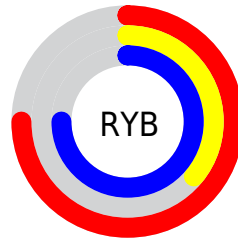
Distribution



Red (75%)

Green (36%)

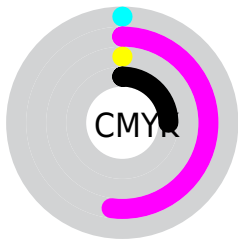
Blue (75%)



Red (75%)

Yellow (36%)

Blue (75%)

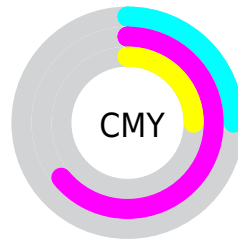


Cyan (0%)

Magenta (52%)

Yellow (0%)

Black (25%)



Cyan (25%)


Magenta (64%)


Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.1670, 22.8409, 52.4244 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 35.1670, 22.8409, 52.4244 by changing the saturation by 10% instead.


 35.1670, 22.8409,
52.4244


 35.1670, 22.8409,
52.4244


316.8000,
266.9068, 413.0763


 23.9587, 14.4761,
36.9589


 67.0767, 48.1320,
95.1898


 15.4275, 8.4525,
24.8801


 88.5088, 65.8270,
123.3267

 9.2082, 4.3858,
15.7696

 114.0795, 87.4008,
156.5246

 4.9355, 1.8917,
9.2087

 144.1542,
113.2380, 195.2019

 2.2438, 0.5434,
4.7789

179.0983,
143.7227, 239.7772

 0.7657, 0.0000,
2.0616

219.2770,

 0.0000, 0.0000,

179.2395, 290.6690

0.5928

265.0558,
220.1727, 348.2959

■ 0.0000, 0.0000,
0.0000

■ 35.1670, 22.8409,
52.4244

■ 35.1670, 22.8409,
52.4244

■ 33.6888, 19.8839,
51.9318

■ 37.0698, 26.6460,
53.0590

■ 32.6005, 17.7073,
51.5689

■ 39.4239, 31.3540,
53.8437

■ 31.8660, 16.2384,
51.3240

■ 42.2562, 37.0187,
54.7879

■ 31.4413, 15.3891,
51.1824

■ 45.5913, 43.6889,
55.8997

■ 31.2530, 15.0124,
51.1195

■ 49.4518, 51.4099,
57.1866

■ 53.8591, 60.2244,
58.6558

■ 58.8333, 70.1727,
60.3140

■ 64.3935, 81.2930,
62.1674

■ 67.0132, 86.5325,
63.0408

Harmonies

Analogous

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



28.4739, 22.8409, 77.7849



35.1670, 22.8409, 52.4244



38.2221, 22.8409, 26.8878

Triad

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



35.1670, 22.8409, 52.4244



22.4032, 22.8409, 2.7719



11.7536, 22.8409, 47.0239

Complementary

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



35.1670, 22.8409, 52.4244



25.3406, 40.8177, 16.9002

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.



10.8056, 22.8409, 22.9555



35.1670, 22.8409, 52.4244



16.1116, 22.8409, 3.8636

Square

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



35.1670, 22.8409, 52.4244



29.9222, 22.8409, 4.4599



12.2155, 22.8409, 9.1981



15.1566, 22.8409, 73.6562

Rectangle

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



35.1670, 22.8409, 52.4244



37.3822, 22.8409, 15.1299



12.2155, 22.8409, 9.1981



11.1741, 22.8409, 38.0877

Sweetspot

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



35.1678, 22.8419, 52.4249



80.2755, 74.4961, 100.5082



17.9440, 13.9627, 51.6193



16.9452, 15.4288, 21.4702



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



35.1678, 22.8419, 52.4249



60.7167, 35.3789, 93.9879



30.5737, 21.0043, 28.2324



10.4973, 10.2475, 12.7095



21.0296, 10.1016, 34.3974



0.9086, 0.4365, 1.4862

Inverse Universe

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



35.1678, 22.8419, 52.4249



60.7167, 35.3789, 93.9879



28.2849, 41.9954, 32.4048



10.4973, 10.2475, 12.7095



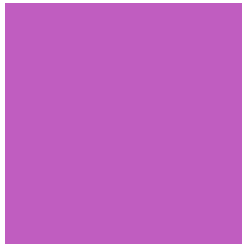
21.0296, 10.1016, 34.3974



0.9086, 0.4365, 1.4862

Previews

White Background



This preview shows how the XYZ color 35.1670, 22.8409, 52.4244 looks on a white background.

Color Contrast Check

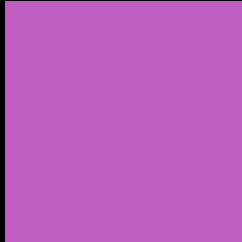
Large Text (above 18pt) WCAG AA ✓ Pass

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 35.1670, 22.8409, 52.4244 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

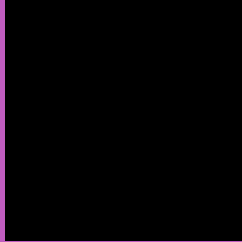
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 35.1670, 22.8409, 52.4244

Background



This preview shows how black text looks on a background with the XYZ color 35.1670, 22.8409, 52.4244.



This preview shows how white text looks on a background with the XYZ color 35.1670, 22.8409,

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

35.1670, 22.8409, 52.4244

Protanopia

25.5832, 23.3035, 72.9617

Deuteranopia

23.5496, 22.9788, 49.0931



Tritanopia

28.5427, 22.7681, 20.3431

Trichromacy



Original Color

35.1670, 22.8409, 52.4244



Protanomaly

27.0311, 21.8334, 65.0769



Deuteranomaly

26.5937, 22.1042, 50.4418



Tritanomaly

30.3883, 22.4151, 29.9190

Monochromacy



Original Color

35.1670, 22.8409, 52.4244



Achromatopsia

22.6597, 23.8398, 25.9615



Achromatomaly

26.0308, 22.5288, 33.9869

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.1670, 22.8409, 52.4244 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(192, 93, 192)` looks like.

```
.text, #text, p{  
    color:rgb(192, 93, 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(192, 93, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 93, 192) }
```

Border

The CSS property to change the border of an element to XYZ 35.1670, 22.8409, 52.4244 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(192, 93, 192) }
```


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

```
.border{ border-color:rgb(192, 93, 192) }
```

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

Here you see how a box with a 4 pixel rgb(192, 93, 192) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 93, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 93, 192);  
box-shadow:4px 4px 4px 4px rgb(192, 93,  
192) }
```

Background

The CSS property to change the background color of an element to XYZ 35.1670, 22.8409, 52.4244 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 93, 192) }
```

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

```
.background{ background-color: rgb(192, 93,  
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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