

Converting Colors

XYZ(33.2347, 20.6132, 44.5042)

Have a look what the booklet for
XYZ(33.2347, 20.6132, 44.5042)
contains.

XYZ(33.2264, 20.5685, 44.3384)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(33.2264, 20.5685,
44.3384)**

Conversions

Conversions Part 1

Format	Color
Hex	C251B2
RGB	194, 81, 178
RGB Percent	76%, 32%, 70%
CMY	0.2392, 0.6823, 0.3020
CMYK	0.00, 0.58, 0.08, 0.24
HSL	308°, 48%, 54%
HSV	308°, 58%, 76%
XYZ	33.2264, 20.5685, 44.3384
YIQ	125.8450, 36.2110, 54.1230

Conversions

Conversions Part 2

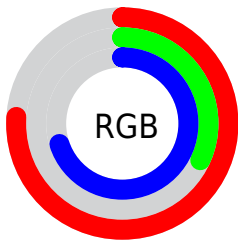
Format	Color
RYB	194, 81, 178
Decimal	12734898
CIELab	52.47, 57.08, -30.18
CIELCh	52, 64.566, 332.130
Yxy	20.5685, 0.3386, 0.2096
Android (android.graphics.Color)	4290924978 (0xFFC251B2)
YUV	125.8450, 25.7124, 59.7719
Hunter-Lab	45.3525, 51.4067, -26.2175

Details

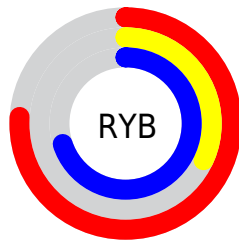
The XYZ color **33.2264, 20.5685, 44.3384** is a light color, and the websafe version is hex **CC66CC**. The color can be described as light muted rose. A complement of this color would be **24.8437, 41.1967, 17.9530**, and the grayscale version is **19.6863, 20.7115, 22.5548**.

A 20% lighter version of the original color is **64.1635, 44.4315, 83.0362**, and **14.2511, 7.2648, 20.0532** is the 20% darker color. If you saturate the color by 10%, you get **31.7124, 17.9770, 42.4866**, and if you desaturate by 10%, it is **35.1591, 23.9876, 46.3574**.

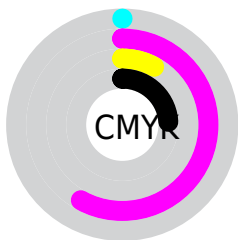
Distribution



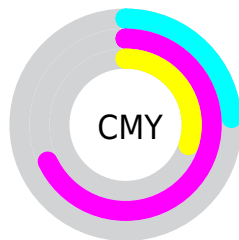
- Red (76%)
- Green (32%)
- Blue (70%)



- Red (76%)
- Yellow (32%)
- Blue (70%)



- Cyan (0%)
- Magenta (58%)
- Yellow (8%)
- Black (24%)





- Cyan (24%)
- Magenta (68%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.2264, 20.5685, 44.3384 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 33.2264, 20.5685, 44.3384 by changing the saturation by 10% instead.


 33.2264, 20.5685,
44.3384


 33.2264, 20.5685,
44.3384


308.3156,
254.9763, 380.1691

 22.4600, 12.8090,
30.5975


 64.0811, 44.3683,
83.0346


 14.3138, 7.2971,
20.0366


 84.9002, 61.1773,
108.8270


 8.4224, 3.6486,
12.2373


 109.8009, 81.7716,
139.4736

 4.4205, 1.4790,
6.7810

 139.1485,
106.5356, 175.3930

 1.9426, 0.2739,
3.2492

 173.3084,
135.8537, 217.0037

 0.6014, 0.0000,
1.2232

212.6460,

 0.0000, 0.0000,

170.1103, 264.7243

0.0000

257.5266,
209.6897, 318.9732

■ 33.2264, 20.5685,
44.3384

■ 33.2264, 20.5685,
44.3384

■ 31.7124, 17.9770,
42.4866

■ 35.1591, 23.9876,
46.3574

■ 30.5787, 16.1380,
40.7885

■ 37.5403, 28.2952,
48.5531

■ 29.7838, 14.9677,
39.2302

■ 40.3994, 33.5497,
50.9357

■ 29.2615, 14.3338,
37.7896

■ 43.7629, 39.8039,
53.5141

■ 29.1800, 14.2421,
37.5429

■ 47.6551, 47.1066,
56.2967

■ 52.0988, 55.5033,
59.2911

■ 57.1156, 65.0369,
62.5047

■ 62.7258, 75.7481,
65.9444

■ 68.7550, 87.2881,
69.5522

Harmonies

Analogous

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



27.1979, 20.5685, 70.1489



33.2264, 20.5685, 44.3384



35.3781, 20.5685, 21.0577

Triad

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



33.2264, 20.5685, 44.3384



19.0768, 20.5685, 2.0885



10.5731, 20.5685, 48.1728

Complementary

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



33.2264, 20.5685, 44.3384



24.8437, 41.1967, 17.9530

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.



9.3271, 20.5685, 23.7890



33.2264, 20.5685, 44.3384



13.4893, 20.5685, 3.4653

Square

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



33.2264, 20.5685, 44.3384



26.1817, 20.5685, 3.0865



10.2598, 20.5685, 9.2358



14.1445, 20.5685, 73.1128

Rectangle

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



33.2264, 20.5685, 44.3384



34.0058, 20.5685, 11.2097



10.2598, 20.5685, 9.2358



9.9105, 20.5685, 39.2848

Sweetspot

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



33.2271, 20.5695, 44.3388



79.9315, 73.3195, 97.4285



17.5119, 12.2714, 52.4850



17.2095, 15.5057, 21.1179



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.



33.2271, 20.5695, 44.3388



56.7984, 31.4817, 76.0654



28.7312, 18.7711, 20.6635



10.4340, 10.2222, 12.3759



19.2078, 9.3729, 24.8043



0.8471, 0.4119, 1.1623

Inverse Universe

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



33.2271, 20.5695, 44.3388



56.7984, 31.4817, 76.0654



28.4000, 42.6192, 36.6802



10.4340, 10.2222, 12.3759



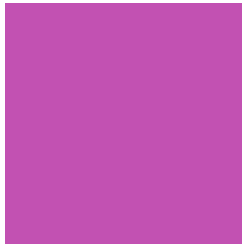
19.2078, 9.3729, 24.8043



0.8471, 0.4119, 1.1623

Previews

White Background



This preview shows how the XYZ color 33.2264, 20.5685, 44.3384 looks on a white background.

Color Contrast Check

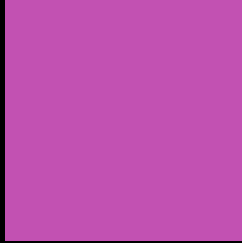
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.2264, 20.5685, 44.3384 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

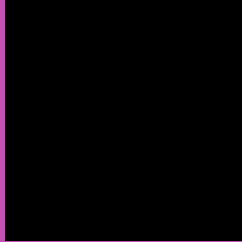
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 33.2264, 20.5685, 44.3384

Background



This preview shows how black text looks on a background with the XYZ color 33.2264, 20.5685, 44.3384.



This preview shows how white text looks on a background with the XYZ color 33.2264, 20.5685,

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

33.2264, 20.5685, 44.3384

Protanopia

23.0237, 20.9963, 65.7900

Deuteranopia

21.2404, 20.8003, 41.4234



Tritanopia

27.3654, 20.4243, 16.4099

Trichromacy



Original Color

33.2264, 20.5685, 44.3384



Protanomaly

24.3921, 19.3309, 57.0892



Deuteranomaly

24.1579, 19.5319, 42.5412



Tritanomaly

29.0470, 20.1666, 24.5519

Monochromacy



Original Color

33.2264, 20.5685, 44.3384



Achromatopsia

19.8309, 20.8637, 22.7206



Achromatomaly

23.4493, 19.7755, 29.3692

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.2264, 20.5685, 44.3384 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(194, 81, 178)` looks like.

```
.text, #text, p{  
    color:rgb(194, 81, 178)  
}
```

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(194, 81, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 81, 178) }
```

Border

The CSS property to change the border of an element to XYZ 33.2264, 20.5685, 44.3384 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(194, 81, 178) }
```


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

```
.border{ border-color:rgb(194, 81, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 81, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 81, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 81, 178);  
box-shadow:4px 4px 4px 4px rgb(194, 81,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 33.2264, 20.5685, 44.3384 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 81, 178) }
```

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

```
.background{ background-color: rgb(194, 81,  
178) }
```

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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