

Converting Colors

XYZ(32.3739, 20.9304, 33.7997)

Have a look what the booklet for
XYZ(32.3739, 20.9304, 33.7997)
contains.

XYZ(32.3545, 20.9262, 33.7864)	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(32.3545, 20.9262,
33.7864)**

Conversions

Conversions Part 1

Format	Color
Hex	C5569C
RGB	197, 86, 156
RGB Percent	77%, 34%, 61%
CMY	0.2274, 0.6627, 0.3882
CMYK	0.00, 0.56, 0.21, 0.23
HSL	322°, 49%, 55%
HSV	322°, 56%, 77%
XYZ	32.3545, 20.9262, 33.7864
YIQ	127.1690, 43.6860, 45.3020

Conversions

Conversions Part 2

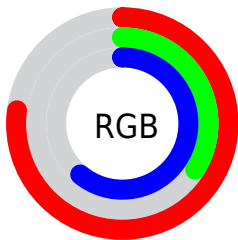
Format	Color
R_{YB}	197, 86, 156
Decimal	12932764
CIE _{Lab}	52.87, 52.27, -16.66
CIE _{LCh}	53, 54.859, 342.318
Yxy	20.9262, 0.3716, 0.2403
Android (android.graphics.Color)	4291122844 (0xFFC5569C)
YUV	127.1690, 14.2137, 61.2418
Hunter-Lab	45.7452, 46.1949, -11.7687

Details

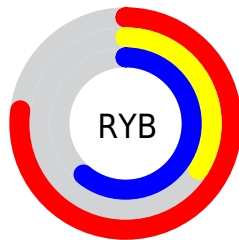
The XYZ color **32.3545, 20.9262, 33.7864** is a dark color, and the websafe version is hex **CC6699**. The color can be described as middle muted rose. A complement of this color would be **27.6358, 43.4439, 27.0096**, and the grayscale version is **20.1738, 21.2244, 23.1134**.

A 20% lighter version of the original color is **62.3760, 44.7193, 66.9721**, and **13.8044, 7.4741, 14.0797** is the 20% darker color. If you saturate the color by 10%, you get **30.3950, 17.9638, 30.1836**, and if you desaturate by 10%, it is **34.7856, 24.7723, 37.7290**.

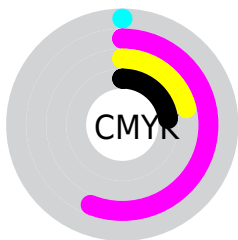
Distribution



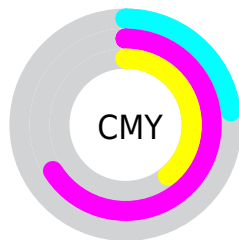
- Red (77%)
- Green (34%)
- Blue (61%)



- Red (77%)
- Yellow (34%)
- Blue (61%)



- Cyan (0%)
- Magenta (56%)
- Yellow (21%)
- Black (23%)





- Cyan (23%)
- Magenta (66%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.3545, 20.9262, 33.7864 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 32.3545, 20.9262, 33.7864 by changing the saturation by 10% instead.

 32.3545, 20.9262,
33.7864


 32.3545, 20.9262,
33.7864


304.4476,
256.8860, 333.9186

 21.7893, 13.0701,
22.4535


 62.7279, 44.9647,
66.7315


 13.8179, 7.4768,
13.9890


 83.2667, 61.9158,
89.1807

 8.0750, 3.7620,
7.9744

 107.8608, 82.6674,
116.1725

 4.1952, 1.5414,
3.9910

 136.8756,
107.6038, 148.1254

 1.8131, 0.3176,
1.6204

170.6762,
137.1095, 185.4579

 0.5256, 0.0000,
0.3053

209.6282,

 0.0000, 0.0000,

171.5689, 228.5886

0.0000

254.0969,
211.3662, 277.9360

■ 32.3545, 20.9262,
33.7864

■ 32.3545, 20.9262,
33.7864

■ 30.3950, 17.9638,
30.1836

■ 34.7856, 24.7723,
37.7290

■ 28.8679, 15.8085,
26.9038

■ 37.7195, 29.5639,
42.0242

■ 27.7308, 14.3759,
23.9296

■ 41.1867, 35.3612,
46.6854

■ 26.9281, 13.5563,
21.2394

■ 45.2147, 42.2181,
51.7248

■ 26.6788, 13.3315,
20.3126

■ 49.8291, 50.1849,
57.1537

■ 55.0539, 59.3086,
62.9829

■ 60.9116, 69.6333,
69.2227

■ 67.4237, 81.2012,
75.8829

■ 71.9030, 88.6372,
82.0705

Harmonies

Analogous

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



28.2758, 20.9262, 55.0228



32.3545, 20.9262, 33.7864



32.7253, 20.9262, 16.6899

Triad

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



32.3545, 20.9262, 33.7864



17.6287, 20.9262, 3.7624



12.7994, 20.9262, 51.3462

Complementary

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



32.3545, 20.9262, 33.7864



27.6358, 43.4439, 27.0096

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.



10.9444, 20.9262, 30.2084



32.3545, 20.9262, 33.7864



13.3511, 20.9262, 6.5024

Square

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



32.3545, 20.9262, 33.7864



23.4306, 20.9262, 3.9974



11.1248, 20.9262, 14.4759



16.7249, 20.9262, 68.0627

Rectangle

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



32.3545, 20.9262, 33.7864



30.7400, 20.9262, 9.7282



11.1248, 20.9262, 14.4759



11.9503, 20.9262, 44.1827

Sweetspot

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



32.3551, 20.9272, 33.7868



80.2742, 74.4034, 91.7817



22.1147, 15.1771, 54.5875



16.8532, 15.3632, 19.2418



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.



32.3551, 20.9272, 33.7868



53.6255, 30.9937, 52.4164



28.6938, 19.4627, 14.5063



10.9105, 10.7476, 12.5119



17.5892, 8.7852, 13.5786



0.8669, 0.4296, 0.8225

Inverse Universe

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



32.3551, 20.9272, 33.7868



53.6255, 30.9937, 52.4164



32.2690, 45.2972, 51.4075



10.9105, 10.7476, 12.5119



17.5892, 8.7852, 13.5786



0.8669, 0.4296, 0.8225

Previews

White Background



This preview shows how the XYZ color 32.3545, 20.9262, 33.7864 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 32.3545, 20.9262, 33.7864 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

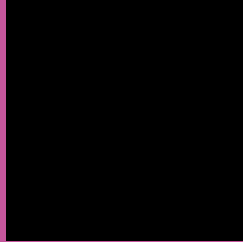
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 32.3545, 20.9262, 33.7864

Background



This preview shows how black text looks on a background with the XYZ color 32.3545, 20.9262, 33.7864.



This preview shows how white text looks on a background with the XYZ color 32.3545, 20.9262,

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

32.3545, 20.9262, 33.7864

Protanopia

22.1540, 21.2958, 48.8418

Deuteranopia

21.6148, 21.2065, 31.8082



Tritanopia

28.6557, 20.9618, 15.9003

Trichromacy



Original Color

32.3545, 20.9262, 33.7864

Protanomaly

24.1396, 20.0003, 42.6325

Deuteranomaly

24.3803, 20.1912, 32.3181

Tritanomaly

29.8889, 20.9300, 21.5334

Monochromacy



Original Color

32.3545, 20.9262, 33.7864

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

23.3305, 20.0987, 26.6945

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.3545, 20.9262, 33.7864 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, 86, 156)` looks like.

```
.text, #text, p{  
    color:rgb(197, 86, 156)  
}
```

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, 86, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 86, 156) }
```

Border

The CSS property to change the border of an element to XYZ 32.3545, 20.9262, 33.7864 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, 86, 156) }
```


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

```
.border{ border-color:rgb(197, 86, 156) }
```

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

Here you see how a box with a 4 pixel rgb(197, 86, 156) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 86, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 86, 156);  
box-shadow:4px 4px 4px 4px rgb(197, 86,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 32.3545, 20.9262, 33.7864 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 86, 156) }
```

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

```
.background{ background-color: rgb(197, 86,  
156) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor