

Converting Colors

XYZ(33.3448, 20.5444, 33.7614)

Have a look what the booklet for
XYZ(33.3448, 20.5444, 33.7614)
contains.

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Color

**XYZ(33.3537, 20.5456,
33.6602)**

Conversions

Conversions Part 1

Format	Color
Hex	CB4E9C
RGB	203, 78, 156
RGB Percent	80%, 31%, 61%
CMY	0.2039, 0.6941, 0.3882
CMYK	0.00, 0.62, 0.23, 0.20
HSL	323°, 55%, 55%
HSV	323°, 62%, 80%
XYZ	33.3537, 20.5456, 33.6602
YIQ	124.2670, 49.4620, 50.7580

Conversions

Conversions Part 2

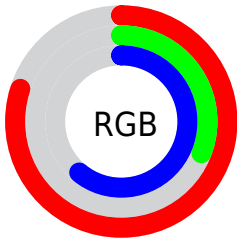
Format	Color
R_{YB}	203, 78, 156
Decimal	13323932
CIE _{Lab}	52.45, 57.64, -17.22
CIE _{LCh}	52, 60.153, 343.367
Yxy	20.5456, 0.3809, 0.2346
Android (android.graphics.Color)	4291514012 (0xFFCB4E9C)
YUV	124.2670, 15.6444, 69.0488
Hunter-Lab	45.3273, 52.0251, -12.2999

Details

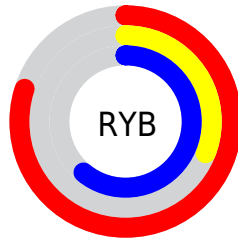
The XYZ color **33.3537, 20.5456, 33.6602** is a dark color, and the websafe version is hex **CC3399**. The color can be described as middle muted rose. A complement of this color would be **28.2006, 45.8128, 26.7608**, and the grayscale version is **19.1860, 20.1852, 21.9816**.

A 20% lighter version of the original color is **61.3854, 42.7382, 66.6419**, and **14.3354, 7.2567, 14.0097** is the 20% darker color. If you saturate the color by 10%, you get **31.5014, 17.8430, 29.9533**, and if you desaturate by 10%, it is **35.6929, 24.1566, 37.7302**.

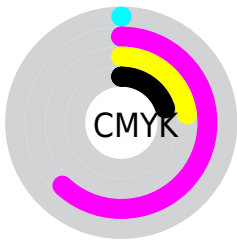
Distribution



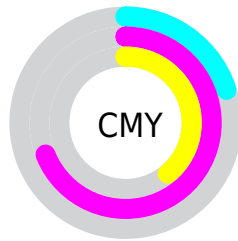
- Red (80%)
- Green (31%)
- Blue (61%)



- Red (80%)
- Yellow (31%)
- Blue (61%)



- Cyan (0%)
- Magenta (62%)
- Yellow (23%)
- Black (20%)





- Cyan (20%)
- Magenta (69%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.3537, 20.5456, 33.6602 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 33.3537, 20.5456, 33.6602 by changing the saturation by 10% instead.

 33.3537, 20.5456,
33.6602


 33.3537, 20.5456,
33.6602


308.8774,
254.8536, 333.3370

 22.5581, 12.7923,
22.3574


 64.2783, 44.3300,
66.5327


 14.3864, 7.2857,
13.9189


 85.1381, 61.1299,
88.9396


 8.4734, 3.6414,
7.9262


 110.0832, 81.7142,
115.8849

 4.4537, 1.4750,
3.9607

 139.4791,
106.4671, 147.7872

 1.9619, 0.2711,
1.6038

 173.6911,
135.7731, 185.0650

 0.6124, 0.0000,
0.2935

213.0846,

 0.0000, 0.0000,

170.0166, 228.1369

0.0000

258.0249,
209.5820, 277.4214

■ 33.3537, 20.5456,
33.6602

■ 33.3537, 20.5456,
33.6602

■ 31.5014, 17.8430,
29.9533

■ 35.6929, 24.1566,
37.7302

■ 30.0909, 15.9603,
26.5903

■ 38.5550, 28.7473,
42.1783

■ 29.0714, 14.7970,
23.5507

■ 41.9744, 34.3855,
47.0196

■ 28.4378, 14.2202,
21.2114

■ 45.9822, 41.1320,
52.2679

■ 50.6069, 49.0429,
57.9359

■ 55.8753, 58.1706,
64.0359

■ 61.8123, 68.5641,
70.5793

■ 68.4417, 80.2699,
77.5770

■ 73.9383, 89.6364,
84.4238

Harmonies

Analogous

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



28.9315, 20.5456, 57.5910



33.3537, 20.5456, 33.6602



33.6061, 20.5456, 15.3576

Triad

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



33.3537, 20.5456, 33.6602



16.8947, 20.5456, 2.8657



12.0683, 20.5456, 55.0401

Complementary

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



33.3537, 20.5456, 33.6602



28.2006, 45.8128, 26.7608

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.



10.0600, 20.5456, 31.2475



33.3537, 20.5456, 33.6602



12.4209, 20.5456, 5.5793

Square

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



33.3537, 20.5456, 33.6602



23.1503, 20.5456, 2.9959



10.1736, 20.5456, 13.9383



16.3047, 20.5456, 73.7597

Rectangle

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



33.3537, 20.5456, 33.6602



31.2983, 20.5456, 8.3380



10.1736, 20.5456, 13.9383



11.1547, 20.5456, 46.9519

Sweetspot

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



33.3543, 20.5466, 33.6606



79.4595, 73.0678, 90.6049



21.7932, 14.0346, 58.0604



16.5398, 14.8429, 18.8083



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.



33.3543, 20.5466, 33.6606



51.8623, 28.6542, 48.1696



29.4043, 18.9666, 12.8598



11.5017, 11.3294, 13.1767



18.1431, 9.0678, 13.7381



0.9721, 0.4822, 0.8988

Inverse Universe

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



33.3543, 20.5466, 33.6606



51.8623, 28.6542, 48.1696



33.3970, 47.8914, 54.1248



11.5017, 11.3294, 13.1767



18.1431, 9.0678, 13.7381



0.9721, 0.4822, 0.8988

Previews

White Background



This preview shows how the XYZ color 33.3537, 20.5456, 33.6602 looks on a white background.

Color Contrast Check

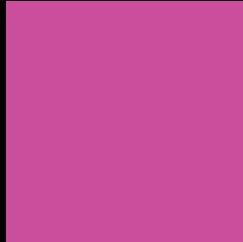
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.3537, 20.5456, 33.6602 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

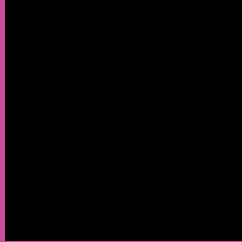
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 33.3537, 20.5456, 33.6602

Background



This preview shows how black text looks on a background with the XYZ color 33.3537, 20.5456, 33.6602.



This preview shows how white text looks on a background with the XYZ color 33.3537, 20.5456,

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

33.3537, 20.5456, 33.6602

Protanopia

22.0954, 21.0166, 51.6072

Deuteranopia

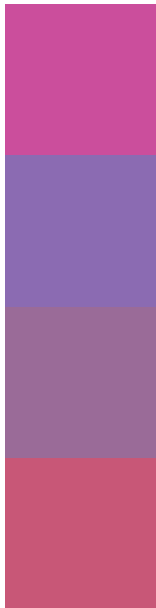
21.1120, 20.7715, 31.3303



Tritanopia

29.3205, 20.5419, 13.9749

Trichromacy



Original Color

33.3537, 20.5456, 33.6602

Protanomaly

23.9410, 19.2187, 44.5672

Deuteranomaly

24.2516, 19.6524, 32.2209

Tritanomaly

30.5574, 20.4277, 19.7851

Monochromacy



Original Color

33.3537, 20.5456, 33.6602

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

22.8385, 19.0653, 25.7688

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.3537, 20.5456, 33.6602 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(203, 78, 156)` looks like.

```
.text, #text, p{  
    color:rgb(203, 78, 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(203, 78, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 78, 156) }
```

Border

The CSS property to change the border of an element to XYZ 33.3537, 20.5456, 33.6602 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(203, 78, 156) }
```


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

```
.border{ border-color:rgb(203, 78, 156) }
```

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

Here you see how a box with a 4 pixel rgb(203, 78, 156) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 78, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 78, 156);  
box-shadow:4px 4px 4px 4px rgb(203, 78,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 33.3537, 20.5456, 33.6602 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 78, 156) }
```

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

```
.background{ background-color: rgb(203, 78,  
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](#).

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