

Converting Colors

XYZ(27.8942, 16.0203, 27.1061)

Have a look what the booklet for
XYZ(27.8942, 16.0203, 27.1061)
contains.

XYZ(27.8315, 15.9556, 27.2040)	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(27.8315, 15.9556,
27.2040)**

Conversions

Conversions Part 1

Format	Color
Hex	BF398E
RGB	191, 57, 142
RGB Percent	75%, 22%, 56%
CMY	0.2510, 0.7764, 0.4431
CMYK	0.00, 0.70, 0.26, 0.25
HSL	322°, 54%, 49%
HSV	322°, 70%, 75%
XYZ	27.8315, 15.9556, 27.2040
YIQ	106.7560, 52.5790, 54.8430

Conversions

Conversions Part 2

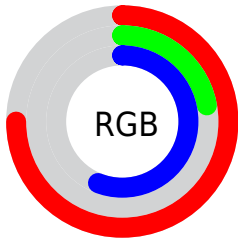
Format	Color
R_{YB}	191, 57, 142
Decimal	12532110
CIE _{Lab}	46.92, 60.83, -17.49
CIE _{LCh}	47, 63.298, 343.960
Yxy	15.9556, 0.3920, 0.2248
Android (android.graphics.Color)	4290722190 (0xFFBF398E)
YUV	106.7560, 17.3753, 73.8820
Hunter-Lab	39.9445, 54.4679, -12.4181

Details

The XYZ color **27.8315, 15.9556, 27.2040** is a dark color, and the websafe version is hex **CC3399**. A complement of this color would be **22.9206, 39.1727, 19.9908**, and the grayscale version is **13.8518, 14.5732, 15.8702**.

A 20% lighter version of the original color is **55.7648, 36.5294, 56.3363**, and **11.6046, 5.7593, 10.6252** is the 20% darker color. If you saturate the color by 10%, you get **26.5504, 14.2065, 24.2702**, and if you desaturate by 10%, it is **29.5015, 18.4296, 30.4299**.

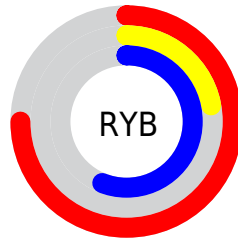
Distribution



Red (75%)

Green (22%)

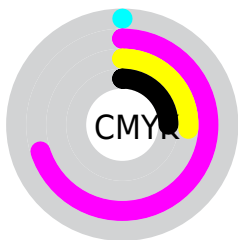
Blue (56%)



Red (75%)

Yellow (22%)

Blue (56%)

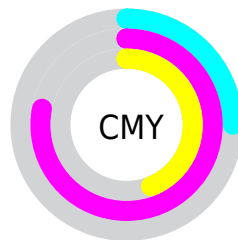


Cyan (0%)

Magenta (70%)

Yellow (26%)

Black (25%)



Cyan (25%)


Magenta (78%)


Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.8315, 15.9556, 27.2040 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 27.8315, 15.9556, 27.2040 by changing the saturation by 10% instead.

 27.8315, 15.9556,
27.2040


 27.8315, 15.9556,
27.2040


283.7556,
229.0796, 302.4349


 18.3385, 9.4927,
17.4927


 55.6258, 36.5211,
56.2188


 11.2944, 5.0639,
10.4207


 74.6579, 51.3925,
76.3593


 6.3340, 2.2848,
5.5696


 97.6003, 69.8356,
100.8133

 3.0918, 0.7657,
2.5206

 124.8184, 92.2348,
129.9994

 1.2025, 0.0000,
0.8511

 156.6777,
118.9743, 164.3361

 0.1083, 0.0000,
0.0000

193.5434,

 0.0000, 0.0000,

150.4387, 204.2418

0.0000

235.7809,
187.0123, 250.1352

■ 27.8315, 15.9556,
27.2040

■ 27.8315, 15.9556,
27.2040

■ 26.5504, 14.2065,
24.2702

■ 29.5015, 18.4296,
30.4299

■ 25.6139, 13.0950,
21.6103

■ 31.5951, 21.6976,
33.9619

■ 24.9466, 12.4607,
19.2288

■ 34.1448, 25.8233,
37.8137

■ 37.1794, 30.8633,
41.9977

■ 40.7250, 36.8694,
46.5253

■ 44.8061, 43.8892,
51.4072

■ 49.4454, 51.9676,
56.6535

■ 54.6642, 61.1464,
62.2738

■ 60.4827, 71.4653,
68.2773

Harmonies

Analogous

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



23.7954, 15.9556, 49.7472



27.8315, 15.9556, 27.2040



27.9814, 15.9556, 11.0206

Triad

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



27.8315, 15.9556, 27.2040



12.7451, 15.9556, 1.4174



8.7337, 15.9556, 48.1891

Complementary

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



27.8315, 15.9556, 27.2040



22.9206, 39.1727, 19.9908

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.



7.0179, 15.9556, 25.7908



27.8315, 15.9556, 27.2040



8.9239, 15.9556, 3.3891

Square

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



27.8315, 15.9556, 27.2040



18.2928, 15.9556, 1.4718



7.0778, 15.9556, 10.2517



12.4163, 15.9556, 66.0565

Rectangle

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



27.8315, 15.9556, 27.2040



25.7883, 15.9556, 5.3203



7.0778, 15.9556, 10.2517



7.9526, 15.9556, 40.5008

Sweetspot

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



27.8320, 15.9564, 27.2043



72.1405, 64.6716, 82.3379



16.5654, 9.6260, 50.2754



15.4377, 13.5147, 17.5736



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.



27.8320, 15.9564, 27.2043



46.6118, 24.2814, 40.9426



24.2928, 14.5407, 8.5672



9.7779, 9.6355, 11.2193



16.4343, 8.2049, 12.8463



0.6742, 0.3336, 0.6635

Inverse Universe

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



27.8320, 15.9564, 27.2043



46.6118, 24.2814, 40.9426



27.6600, 41.0684, 44.9481



9.7779, 9.6355, 11.2193



16.4343, 8.2049, 12.8463



0.6742, 0.3336, 0.6635

Previews

White Background



This preview shows how the XYZ color 27.8315, 15.9556, 27.2040 looks on a white background.

Color Contrast Check

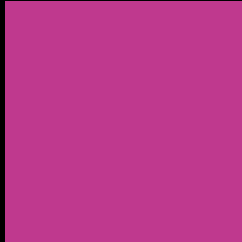
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 27.8315, 15.9556, 27.2040 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

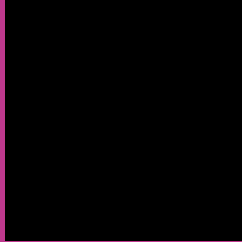
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 27.8315, 15.9556, 27.2040

Background



This preview shows how black text looks on a background with the XYZ color 27.8315, 15.9556, 27.2040.



This preview shows how white text looks on a background with the XYZ color 27.8315, 15.9556,

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

27.8315, 15.9556, 27.2040

Protanopia

17.6756, 16.4141, 46.4926

Deuteranopia

16.5239, 16.1313, 25.1644



Tritanopia

24.1771, 16.0358, 9.2181

Trichromacy



Original Color

27.8315, 15.9556, 27.2040

Protanomaly

18.8845, 14.4831, 38.3594

Deuteranomaly

19.2281, 14.8100, 25.8899

Tritanomaly

25.2044, 15.7849, 14.2887

Monochromacy



Original Color

27.8315, 15.9556, 27.2040

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

17.4438, 13.9041, 19.5337

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.8315, 15.9556, 27.2040 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(191, 57, 142)` looks like.

```
.text, #text, p{  
    color:rgb(191, 57, 142)  
}
```

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(191, 57, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 57, 142) }
```

Border

The CSS property to change the border of an element to XYZ 27.8315, 15.9556, 27.2040 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(191, 57, 142) }
```


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

```
.border{ border-color:rgb(191, 57, 142) }
```

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

Here you see how a box with a 4 pixel rgb(191, 57, 142) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 57, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 57, 142);  
box-shadow:4px 4px 4px 4px rgb(191, 57,  
142) }
```

Background

The CSS property to change the background color of an element to XYZ 27.8315, 15.9556, 27.2040 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 57, 142) }
```

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

```
.background{ background-color: rgb(191, 57,  
142) }
```

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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