

Converting Colors

XYZ(27.8451, 15.6619, 21.9775)

Have a look what the booklet for
XYZ(27.8451, 15.6619, 21.9775)
contains.

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Color

**XYZ(27.8451, 15.6619,
21.9775)**

Conversions

Conversions Part 1

Format	Color
Hex	C43380
RGB	196, 51, 128
RGB Percent	77%, 20%, 50%
CMY	0.2314, 0.8000, 0.4980
CMYK	0.00, 0.74, 0.35, 0.23
HSL	328°, 59%, 48%
HSV	328°, 74%, 77%
XYZ	27.8451, 15.6619, 21.9775
YIQ	103.1330, 61.7030, 54.6870

Conversions

Conversions Part 2

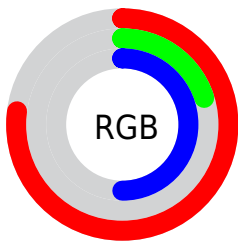
Format	Color
R_{YB}	196, 51, 128
Decimal	12858240
CIE _{Lab}	46.53, 62.56, -9.51
CIE _{LCh}	47, 63.281, 351.354
Yxy	15.6619, 0.4252, 0.2392
Android (android.graphics.Color)	4291048320 (0xFFC43380)
YUV	103.1330, 12.2594, 81.4444
Hunter-Lab	39.5751, 56.3364, -5.2233

Details

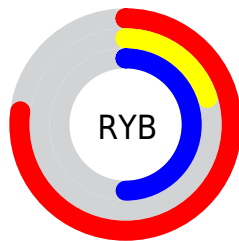
The XYZ color **27.8451, 15.6619, 21.9775** is a dark color, and the websafe version is hex **CC3399**. The color can be described as dark muted rose. A complement of this color would be **24.4360, 41.5162, 24.1810**, and the grayscale version is **12.8854, 13.5565, 14.7630**.

A 20% lighter version of the original color is **55.1564, 35.7481, 47.7091**, and **11.7278, 5.8829, 7.9145** is the 20% darker color. If you saturate the color by 10%, you get **26.5840, 14.0646, 18.7060**, and if you desaturate by 10%, it is **29.5227, 18.0044, 25.6586**.

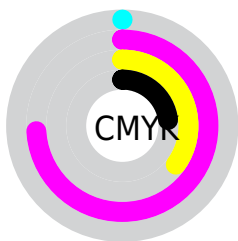
Distribution



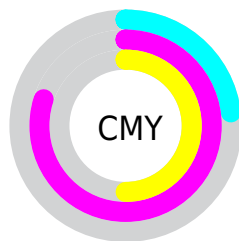
- Red (77%)
- Green (20%)
- Blue (50%)



- Red (77%)
- Yellow (20%)
- Blue (50%)



- Cyan (0%)
- Magenta (74%)
- Yellow (35%)
- Black (23%)



- Cyan (23%)
- Magenta (80%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.8451, 15.6619, 21.9775 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 27.8451, 15.6619, 21.9775 by changing the saturation by 10% instead.

■ 27.8451, 15.6619,
21.9775

■ 27.8451, 15.6619,
21.9775

283.8195,
227.3383, 275.3784

■ 18.3488, 9.2852,
13.6422

■ 55.6474, 36.0102,
47.6105

■ 11.3019, 4.9277,
7.7363

■ 74.6841, 50.7507,
65.7453

■ 6.3391, 2.2049,
3.8414

■ 97.6317, 69.0479,
87.9837

■ 3.0949, 0.7227,
1.5387

■ 124.8554, 91.2862,
114.7442

■ 1.2042, 0.0000,
0.2465

■ 156.7207,
117.8500, 146.4454

■ 0.1097, 0.0000,
0.0000

193.5929,

■ 0.0000, 0.0000,

149.1236, 183.5058

0.0000

235.8374,
185.4916, 226.3440

■ 27.8451, 15.6619,
21.9775

■ 27.8451, 15.6619,
21.9775

■ 26.5840, 14.0646,
18.7060

■ 29.5227, 18.0044,
25.6586

■ 25.6878, 13.1116,
15.8193

■ 31.6572, 21.1707,
29.7692

■ 25.2677, 12.7369,
14.2441

■ 34.2854, 25.2325,
34.3284

■ 37.4398, 30.2525,
39.3534

■ 41.1501, 36.2880,
44.8603

■ 45.4437, 43.3918,
50.8641

■ 50.3458, 51.6127,
57.3793

■ 55.8805, 60.9969,
64.4194

■ 62.0703, 71.5877,
71.9976

Harmonies

Analogous

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



24.6692, 15.6619, 43.5217



27.8451, 15.6619, 21.9775



26.9431, 15.6619, 8.2890

Triad

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



27.8451, 15.6619, 21.9775



11.3852, 15.6619, 1.5885



9.2511, 15.6619, 52.9027

Complementary

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



27.8451, 15.6619, 21.9775



24.4360, 41.5162, 24.1810

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.



7.1003, 15.6619, 30.4917



27.8451, 15.6619, 21.9775



8.1067, 15.6619, 4.3340

Square

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



27.8451, 15.6619, 21.9775



16.5187, 15.6619, 1.2606



6.7399, 15.6619, 12.9255



13.3649, 15.6619, 67.3033

Rectangle

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



27.8451, 15.6619, 21.9775



24.2258, 15.6619, 3.9122



6.7399, 15.6619, 12.9255



8.3210, 15.6619, 45.5840

Sweetspot

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



27.8456, 15.6627, 21.9778



75.7400, 67.7007, 82.9772



18.7108, 10.2527, 53.2176



15.7830, 13.7871, 17.1448



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.



27.8456, 15.6627, 21.9778



47.0463, 24.2488, 30.4517



24.6592, 14.3882, 5.1986



10.2917, 10.1653, 11.6265



16.2794, 8.2015, 9.3833



0.7380, 0.3682, 0.5876

Inverse Universe

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



27.8456, 15.6627, 21.9778



47.0463, 24.2488, 30.4517



30.5281, 43.9530, 56.2616



10.2917, 10.1653, 11.6265



16.2794, 8.2015, 9.3833



0.7380, 0.3682, 0.5876

Previews

White Background



This preview shows how the XYZ color 27.8451, 15.6619, 21.9775 looks on a white background.

Color Contrast Check

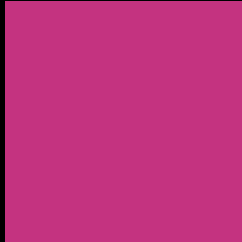
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.8451, 15.6619, 21.9775 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

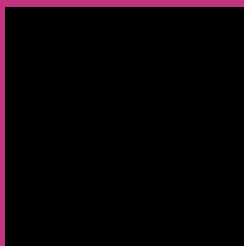
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 27.8451, 15.6619, 21.9775

Background



This preview shows how black text looks on a background with the XYZ color 27.8451, 15.6619, 21.9775.



This preview shows how white text looks on a background with the XYZ color 27.8451, 15.6619,

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

27.8451, 15.6619, 21.9775

Protanopia

16.8509, 15.9886, 39.2438

Deuteranopia

16.1499, 15.8875, 20.3046



Tritanopia

24.8827, 15.6757, 7.6755

Trichromacy



Original Color

27.8451, 15.6619, 21.9775

Protanomaly

18.2928, 13.9465, 31.8648

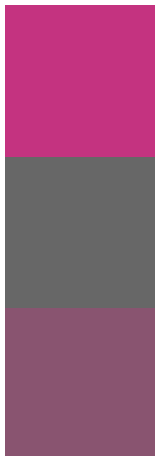
Deuteranomaly

18.9003, 14.3826, 20.8487

Tritanomaly

25.5928, 15.4477, 11.7580

Monochromacy



Original Color

27.8451, 15.6619, 21.9775

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

16.4115, 12.8289, 16.9405

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.8451, 15.6619, 21.9775 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(196, 51, 128)` looks like.

```
.text, #text, p{  
    color:rgb(196, 51, 128)  
}
```

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(196, 51, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 51, 128) }
```

Border

The CSS property to change the border of an element to XYZ 27.8451, 15.6619, 21.9775 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(196, 51, 128) }
```


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

```
.border{ border-color:rgb(196, 51, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 51, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 51, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 51, 128);  
box-shadow:4px 4px 4px 4px rgb(196, 51,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 27.8451, 15.6619, 21.9775 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 51, 128) }
```

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

```
.background{ background-color: rgb(196, 51,  
128) }
```

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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