

Converting Colors

XYZ(23.8623, 9.4550, 19.4020)

Have a look what the booklet for
XYZ(23.8623, 9.4550, 19.4020)
contains.

XYZ(25.5675, 12.7675, 19.8557)	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(25.5675, 12.7675,
19.8557)**

Conversions

Conversions Part 1

Format	Color
Hex	C1007B
RGB	193, 0, 123
RGB Percent	76%, 0%, 48%
CMY	0.2431, 0.9999, 0.5176
CMYK	0.00, 1.00, 0.36, 0.24
HSL	322°, 100%, 38%
HSV	322°, 100%, 76%
XYZ	25.5675, 12.7675, 19.8557
YIQ	71.7290, 75.5450, 79.1690

Conversions

Conversions Part 2

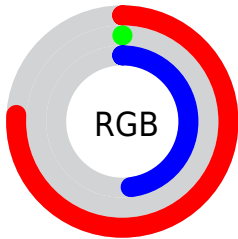
Format	Color
RYB	193, 0, 123
Decimal	12648571
CIELab	42.41, 70.99, -12.71
CIELCh	42, 72.123, 349.852
Yxy	12.7675, 0.4394, 0.2194
Android (android.graphics.Color)	4290838651 (0xFFC1007B)
YUV	71.7290, 25.2766, 106.3547
Hunter-Lab	35.7316, 65.1939, -7.9347

Details

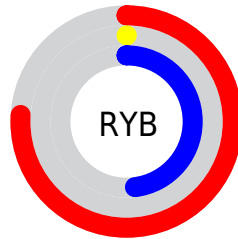
The XYZ color **25.5675, 12.7675, 19.8557** is a dark color, and the websafe version is hex **CC3399**. The color can be described as dark washed rose. A complement of this color would be **20.1769, 38.5828, 12.1833**, and the grayscale version is **6.0652, 6.3810, 6.9489**.

A 20% lighter version of the original color is **51.9387, 30.8216, 43.7691**, and **11.0675, 5.5627, 6.9690** is the 20% darker color. If you saturate the color by 10%, you get **25.5668, 12.7673, 19.8521**, and if you desaturate by 10%, it is **26.2602, 13.4263, 22.3270**.

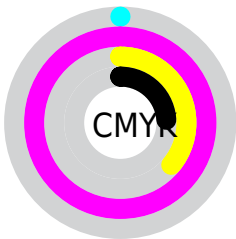
Distribution



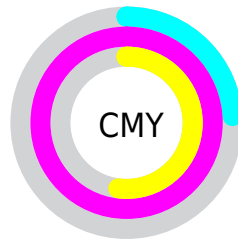
- Red (76%)
- Green (0%)
- Blue (48%)



- Red (76%)
- Yellow (0%)
- Blue (48%)



- Cyan (0%)
- Magenta (100%)
- Yellow (36%)
- Black (24%)



- Cyan (24%)
- Magenta (100%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.5675, 12.7675, 19.8557 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 25.5675, 12.7675, 19.8557 by changing the saturation by 10% instead.

■ 25.5675, 12.7675,
19.8557

■ 25.5675, 12.7675,
19.8557

272.9483,
209.4222, 263.7112

■ 16.6313, 7.2686,
12.1072

■ 52.0127, 30.8855,
44.0309

■ 10.0657, 3.6307,
6.6933

■ 70.2524, 44.2733,
61.2947

■ 5.5051, 1.4692,
3.1955

■ 92.3241, 61.0597,
82.5672

■ 2.5843, 0.2669,
1.1953

■ 118.5930, 81.6289,
108.2671

■ 0.9380, 0.0000,
0.0000

■ 149.4245,
106.3653, 138.8130

■ 0.0000, 0.0000,
0.0000

■ 185.1840,

135.6535, 174.6232

226.2368,
169.8776, 216.1165

■ 25.5675, 12.7675,
19.8557

■ 25.5675, 12.7675,
19.8557

■ 25.5668, 12.7673,
19.8521

■ 26.2602, 13.4263,
22.3270

■ 27.2214, 14.5706,
25.0455

■ 28.5363, 16.3704,
28.0428

■ 30.2487, 18.9121,
31.3363

■ 32.3959, 22.2693,
34.9413

■ 35.0105, 26.5062,
38.8716

■ 38.1218, 31.6809,
43.1396

■ 41.7569, 37.8463,
47.7569

■ 45.9406, 45.0514,
52.7346

Harmonies

Analogous

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



21.9796, 12.7675, 43.4193



25.5675, 12.7675, 19.8557



24.8244, 12.7675, 6.0256

Triad

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



25.5675, 12.7675, 19.8557



8.9269, 12.7675, 0.3695



6.5766, 12.7675, 51.5096

Complementary

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



25.5675, 12.7675, 19.8557



20.1769, 38.5828, 12.1833

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.



4.7317, 12.7675, 26.7111



25.5675, 12.7675, 19.8557



5.7817, 12.7675, 2.1678

Square

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



25.5675, 12.7675, 19.8557



14.0668, 12.7675, 0.1488



4.4921, 12.7675, 9.2755



10.3889, 12.7675, 68.8972

Rectangle

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



25.5675, 12.7675, 19.8557



22.0310, 12.7675, 2.2022



4.4921, 12.7675, 9.2755



5.7606, 12.7675, 43.1677

Sweetspot

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



25.5679, 12.7682, 19.8559



67.9843, 56.2500, 76.8775



11.9800, 5.0645, 50.7983



14.0570, 11.1851, 15.7826



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.



25.5679, 12.7682, 19.8559



45.6681, 22.8174, 34.9112



22.2142, 11.4267, 2.1956



10.3372, 10.1835, 11.8663



17.0444, 8.5075, 13.4116



0.7685, 0.3804, 0.7485

Inverse Universe

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



25.5679, 12.7682, 19.8559



45.6681, 22.8174, 34.9112



25.7762, 40.8226, 41.6689



10.3372, 10.1835, 11.8663



17.0444, 8.5075, 13.4116



0.7685, 0.3804, 0.7485

Previews

White Background



This preview shows how the XYZ color 25.5675, 12.7675, 19.8557 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 25.5675, 12.7675, 19.8557 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 25.5675, 12.7675, 19.8557

Background



This preview shows how black text looks on a background with the XYZ color 25.5675, 12.7675, 19.8557.



This preview shows how white text looks on a background with the XYZ color 25.5675, 12.7675,

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

25.5675, 12.7675, 19.8557

Protanopia

14.8479, 13.5141, 42.9002

Deuteranopia

13.6578, 13.4550, 17.7968



Tritanopia

22.4131, 13.1183, 4.3684

Trichromacy



Original Color

25.5675, 12.7675, 19.8557



Protanomaly

14.8586, 9.6785, 32.9833



Deuteranomaly

15.5255, 10.3544, 18.0099



Tritanomaly

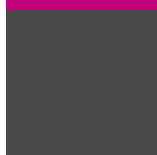
23.0647, 12.4629, 8.2111

Monochromacy



Original Color

25.5675, 12.7675, 19.8557



Achromatopsia

6.1596, 6.4803, 7.0571



Achromatomaly

10.0678, 6.4223, 10.6065

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.5675, 12.7675, 19.8557 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(193, 0, 123)` looks like.

```
.text, #text, p{  
    color:rgb(193, 0, 123)  
}
```

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(193, 0, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 0, 123) }
```

Border

The CSS property to change the border of an element to XYZ 25.5675, 12.7675, 19.8557 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(193, 0, 123) }
```


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

```
.border{ border-color:rgb(193, 0, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 0, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 0, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 0, 123);  
box-shadow:4px 4px 4px 4px rgb(193, 0,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 25.5675, 12.7675, 19.8557 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 0, 123) }
```

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

```
.background{ background-color: rgb(193, 0,  
123) }
```

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