

# Converting Colors

XYZ(21.9791, 12.1925, 11.9756)

Have a look what the booklet for  
XYZ(21.9791, 12.1925, 11.9756)  
contains.

<b>XYZ(22.0825, 12.2223, 12.0217)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(22.0825, 12.2223,  
12.0217)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B6275F
RGB	182, 39, 95
RGB Percent	71%, 15%, 37%
CMY	0.2863, 0.8470, 0.6275
CMYK	0.00, 0.79, 0.48, 0.29
HSL	337°, 65%, 43%
HSV	337°, 79%, 71%
XYZ	22.0825, 12.2223, 12.0217
YIQ	88.1410, 67.2520, 47.7320

# Conversions

## Conversions Part 2

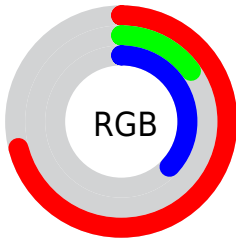
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	182, 39, 95
Decimal	11937631
CIE Lab	41.57, 59.24, 3.31
CIE LCh	42, 59.336, 3.195
Yxy	12.2223, 0.4767, 0.2638
Android (android.graphics.Color)	4290127711 (0xFFB6275F)
YUV	88.1410, 3.3815, 82.3143
Hunter-Lab	34.9604, 51.5676, 4.0845

# Details

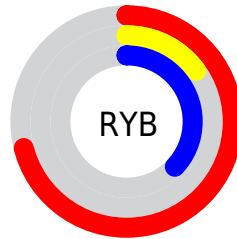
The XYZ color **22.0825, 12.2223, 12.0217** is a dark color, and the websafe version is hex **CC3366**. A complement of this color would be **21.3316, 35.3941, 25.4494**, and the grayscale version is **9.2900, 9.7739, 10.6437**.

A 20% lighter version of the original color is **46.5348, 30.0227, 30.1304**, and **8.7228, 4.4327, 3.3016** is the 20% darker color. If you saturate the color by 10%, you get **21.1535, 11.1134, 9.4027**, and if you desaturate by 10%, it is **23.3703, 13.9343, 15.1136**.

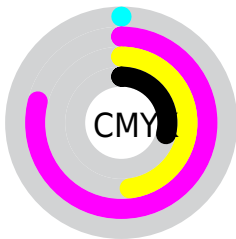
# Distribution



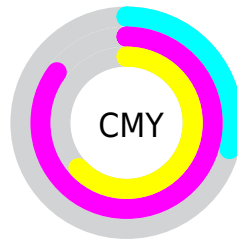
- Red (71%)
- Green (15%)
- Blue (37%)



- Red (71%)
- Yellow (15%)
- Blue (37%)



- Cyan (0%)
- Magenta (79%)
- Yellow (48%)
- Black (29%)




- Cyan (29%)
- Magenta (85%)
- Yellow (63%)
- Black (0%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 22.0825, 12.2223, 12.0217 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 22.0825, 12.2223, 12.0217 by changing the saturation by 10% instead.





 22.0825, 12.2223,  
12.0217


 22.0825, 12.2223,  
12.0217


255.6011,  
205.8715, 215.5319


 14.0345, 6.8953,  
6.6357


 46.3602, 29.8993,  
30.1996


 8.2265, 3.3967,  
3.1604

 63.3205, 43.0181,  
43.8286


 4.2932, 1.3422,  
1.1771

 83.9823, 59.5029,  
61.0424


 1.8693, 0.1735,  
0.0000

 108.7110, 79.7382,  
82.2595

 0.5589, 0.0000,  
0.0000

 137.8718,  
104.1083, 107.8985

 0.0000, 0.0000,  
0.0000

 171.8302,

132.9976, 138.3779

210.9515,  
166.7905, 174.1161

■ 22.0825, 12.2223,  
12.0217

■ 22.0825, 12.2223,  
12.0217

■ 21.1535, 11.1134,  
9.4027

■ 23.3703, 13.9343,  
15.1136

■ 20.5175, 10.4808,  
7.2195

■ 25.0549, 16.3208,  
18.7047

■ 20.4373, 10.4034,  
6.9369

■ 27.1703, 19.4456,  
22.8196

■ 29.7463, 23.3642,  
27.4808

■ 32.8100, 28.1268,  
32.7093

■ 36.3863, 33.7796,  
38.5248

■ 40.4982, 40.3651,  
44.9460

■ 45.1675, 47.9234,  
51.9908

■ 50.4145, 56.4920,  
59.6762

# Harmonies

## Analogous

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



20.7557, 12.2223, 27.2336



22.0825, 12.2223, 12.0217



20.0793, 12.2223, 4.0512

# Triad

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



22.0825, 12.2223, 12.0217



7.6256, 12.2223, 1.6609



8.2494, 12.2223, 47.9989

# Complementary

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



22.0825, 12.2223, 12.0217



21.3316, 35.3941, 25.4494

# 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.



5.9455, 12.2223, 31.1184



22.0825, 12.2223, 12.0217



5.6533, 12.2223, 5.1857

# Square

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



22.0825, 12.2223, 12.0217



11.1586, 12.2223, 0.8686



5.1246, 12.2223, 14.6829



12.0876, 12.2223, 54.1923



# Rectangle

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



22.0825, 12.2223, 12.0217



17.3591, 12.2223, 1.8857



5.1246, 12.2223, 14.6829



7.3053, 12.2223, 43.0246

# Sweetspot

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



22.0828, 12.2230, 12.0219



62.0661, 55.0564, 63.5565



17.5982, 9.1743, 45.0993



13.2188, 11.3893, 13.2317



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



22.0828, 12.2230, 12.0219



37.5097, 19.3004, 14.1937



20.9450, 12.6661, 3.2612



9.1463, 9.0689, 10.1179



14.4632, 7.3590, 5.0601



0.5406, 0.2717, 0.3401



# Inverse Universe

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



22.0828, 12.2230, 12.0219



37.5097, 19.3004, 14.1937



23.2281, 31.7039, 49.1512



9.1463, 9.0689, 10.1179



14.4632, 7.3590, 5.0601



0.5406, 0.2717, 0.3401



# Previews

## White Background



This preview shows how the XYZ color 22.0825, 12.2223, 12.0217 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

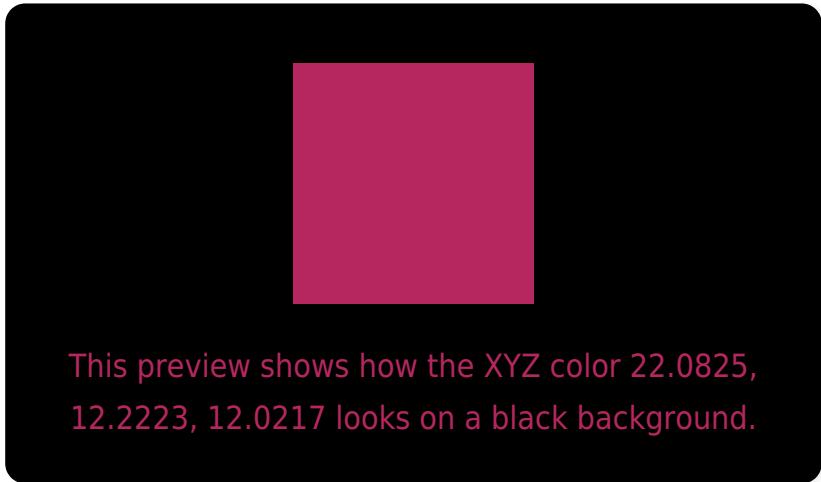
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



## 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 22.0825, 12.2223, 12.0217**

## **Background**



This preview shows how black text looks on a background with the XYZ color 22.0825, 12.2223, 12.0217.



This preview shows how white text looks on a background with the XYZ color 22.0825, 12.2223,



# 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

22.0825, 12.2223, 12.0217

### Protanopia

12.5783, 12.5180, 22.1753

### Deuteranopia

12.7544, 12.5810, 10.9887



## Tritanopia

20.6488, 12.3280, 4.6594

# Trichromacy



## Original Color

22.0825, 12.2223, 12.0217

## Protanomaly

14.1184, 10.8538, 17.8739

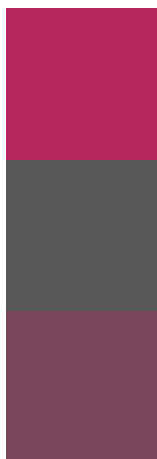
## Deuteranomaly

14.8856, 11.1908, 11.2730

## Tritanomaly

21.1160, 12.2741, 6.7251

# Monochromacy



## Original Color

22.0825, 12.2223, 12.0217

## Achromatopsia

9.2757, 9.7587, 10.6273

## Achromatomaly

12.1045, 9.2732, 11.0495

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 22.0825, 12.2223, 12.0217 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(182, 39, 95)` looks like.

```
.text, #text, p{  
    color:rgb(182, 39, 95)  
}
```

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(182, 39, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 39, 95) }
```

## Border

The CSS property to change the border of an element to XYZ 22.0825, 12.2223, 12.0217 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(182, 39, 95) }
```



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

```
.border{ border-color:rgb(182, 39, 95) }
```

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

Here you see how a box with a 4 pixel rgb(182, 39, 95) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 39, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 39, 95);  
box-shadow:4px 4px 4px 4px rgb(182, 39,  
95) }
```

# Background

The CSS property to change the background color of an element to XYZ 22.0825, 12.2223, 12.0217 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 39, 95) }
```

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

```
.background{ background-color: rgb(182, 39,  
95) }
```

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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