

# Converting Colors

XYZ(22.8379, 9.5217, 12.3090)

Have a look what the booklet for  
XYZ(22.8379, 9.5217, 12.3090)  
contains.

<b>XYZ(24.1969, 12.2193, 12.6385)</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(24.1969, 12.2193,  
12.6385)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C10062
RGB	193, 0, 98
RGB Percent	76%, 0%, 38%
CMY	0.2431, 0.9999, 0.6157
CMYK	0.00, 1.00, 0.49, 0.24
HSL	330°, 100%, 38%
HSV	330°, 100%, 76%
XYZ	24.1969, 12.2193, 12.6385
YIQ	68.8790, 83.5700, 71.3940

# Conversions

## Conversions Part 2

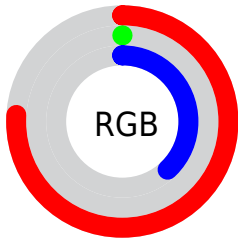
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	193, 0, 98
Decimal	12648546
CIE <sub>Lab</sub>	41.56, 68.78, 1.69
CIE <sub>LCh</sub>	42, 68.798, 1.403
Yxy	12.2193, 0.4933, 0.2491
Android (android.graphics.Color)	4290838626 (0xFFC10062)
YUV	68.8790, 14.3567, 108.8541
Hunter-Lab	34.9561, 62.3859, 3.0328

# Details

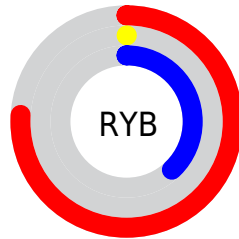
The XYZ color **24.1969, 12.2193, 12.6385** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed rose. A complement of this color would be **21.1375, 38.9669, 17.2422**, and the grayscale version is **5.6078, 5.8998, 6.4249**.

A 20% lighter version of the original color is **49.8338, 29.8951, 31.1608**, and **10.2927, 5.2345, 3.7167** is the 20% darker color. If you saturate the color by 10%, you get **24.1960, 12.2189, 12.6342**, and if you desaturate by 10%, it is **24.9111, 12.8867, 15.2232**.

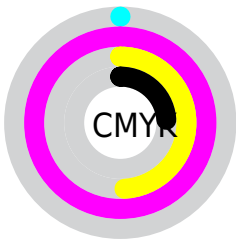
# Distribution



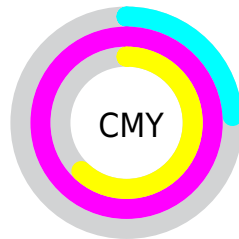
- Red (76%)
- Green (0%)
- Blue (38%)



- Red (76%)
- Yellow (0%)
- Blue (38%)



- Cyan (0%)
- Magenta (100%)
- Yellow (49%)
- Black (24%)




- Cyan (24%)
- Magenta (100%)
- Yellow (62%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 24.1969, 12.2193, 12.6385 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 24.1969, 12.2193, 12.6385 by changing the saturation by 10% instead.





 24.1969, 12.2193,  
12.6385


 24.1969, 12.2193,  
12.6385


266.2365,  
205.8518, 219.7135


 15.6053, 6.8932,  
7.0523


 49.8037, 29.8939,  
31.3344


 9.3343, 3.3954,  
3.4159


 67.5495, 43.0112,  
45.2812


 5.0187, 1.3415,  
1.3107


 89.0775, 59.4943,  
62.8519

 2.2931, 0.1730,  
0.0705

 114.7529, 79.7277,  
84.4651

 0.7912, 0.0000,  
0.0000

 144.9412,  
104.0958, 110.5393

 0.0000, 0.0000,  
0.0000

 180.0076,

132.9829, 141.4931

220.3176,  
166.7734, 177.7450

■ 24.1969, 12.2193,  
12.6385

■ 24.1969, 12.2193,  
12.6385

■ 24.1960, 12.2189,  
12.6342

■ 24.9111, 12.8867,  
15.2232

■ 25.9169, 14.0491,  
18.1765

■ 27.3006, 15.8765,  
21.5356

■ 29.1070, 18.4560,  
25.3234

■ 31.3743, 21.8613,  
29.5602

■ 34.1359, 26.1572,  
34.2646

■ 37.4223, 31.4021,  
39.4538

■ 41.2612, 37.6491,  
45.1438

■ 45.6782, 44.9478,  
51.3499

# Harmonies

## Analogous

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



22.3294, 12.2193, 31.4281



24.1969, 12.2193, 12.6385



21.9655, 12.2193, 3.4681

# Triad

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



24.1969, 12.2193, 12.6385



7.2723, 12.2193, 0.9046



7.5765, 12.2193, 55.3839

# Complementary

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



24.1969, 12.2193, 12.6385



21.1375, 38.9669, 17.2422

# 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.



5.1657, 12.2193, 33.5563



24.1969, 12.2193, 12.6385



5.0291, 12.2193, 3.9695

# Square

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



24.1969, 12.2193, 12.6385



11.3791, 12.2193, 0.2015



4.3857, 12.2193, 13.9940



11.8523, 12.2193, 64.5616



# Rectangle

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



24.1969, 12.2193, 12.6385



18.7436, 12.2193, 1.2801



4.3857, 12.2193, 13.9940



6.5696, 12.2193, 48.7610

# Sweetspot

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



24.1972, 12.2200, 12.6387



66.7140, 55.7419, 70.1878



14.1708, 6.1939, 50.9005



13.7548, 11.0642, 14.1912



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.



24.1972, 12.2200, 12.6387



43.2108, 21.8344, 21.9713



22.0104, 11.3453, 1.1232



10.2818, 10.1613, 11.5743



16.1338, 8.1433, 8.6165



0.7319, 0.3658, 0.5554



# Inverse Universe

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



24.1972, 12.2200, 12.6387



43.2108, 21.8344, 21.9713



28.3409, 41.8482, 55.1751



10.2818, 10.1613, 11.5743



16.1338, 8.1433, 8.6165



0.7319, 0.3658, 0.5554



# Previews

## White Background



This preview shows how the XYZ color 24.1969, 12.2193, 12.6385 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

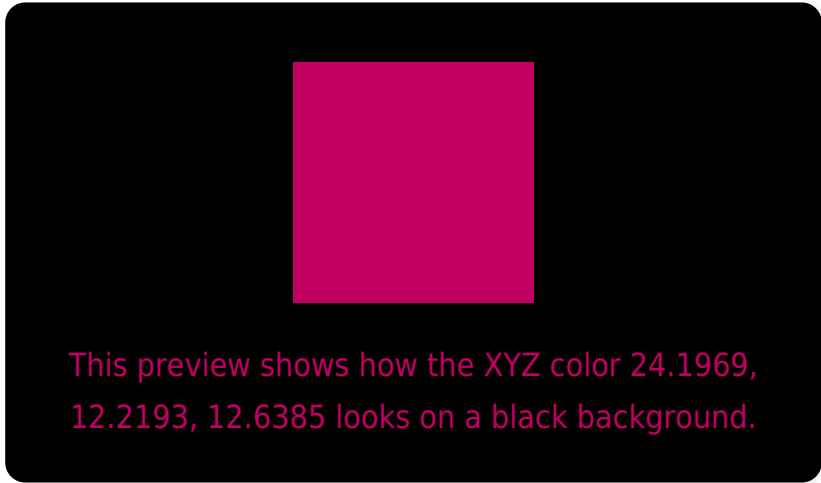
Any Text WCAG AA ✓ Pass

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 24.1969, 12.2193, 12.6385**

## **Background**



This preview shows how black text looks on a background with the XYZ color 24.1969, 12.2193, 12.6385.



This preview shows how white text looks on a background with the XYZ color 24.1969, 12.2193,



# 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

24.1969, 12.2193, 12.6385

### Protanopia

13.2748, 12.9029, 27.3820

### Deuteranopia

13.0596, 12.8650, 11.4677



## Tritanopia

22.3269, 12.5447, 3.1641

# Trichromacy



## Original Color

24.1969, 12.2193, 12.6385

## Protanomaly

14.1476, 9.4970, 20.8261

## Deuteranomaly

15.0261, 10.0752, 11.5087

## Tritanomaly

22.6491, 12.0979, 5.4163

# Monochromacy



## Original Color

24.1969, 12.2193, 12.6385

## Achromatopsia

5.6565, 5.9511, 6.4808

## Achromatomaly

9.2881, 5.9580, 8.2499

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 24.1969, 12.2193, 12.6385 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, 98)` looks like.

```
.text, #text, p{  
    color:rgb(193, 0, 98)  
}
```

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, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 0, 98) }
```

## Border

The CSS property to change the border of an element to XYZ 24.1969, 12.2193, 12.6385 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, 98) }
```



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

```
.border{ border-color:rgb(193, 0, 98) }
```

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, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 0, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 0, 98);  
box-shadow:4px 4px 4px 4px rgb(193, 0, 98)  
}
```

# Background

The CSS property to change the background color of an element to XYZ 24.1969, 12.2193, 12.6385 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, 98) }
```

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

```
.background{ background-color: rgb(193, 0,  
98) }
```

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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