

Converting Colors

XYZ(24.0051, 12.1760, 10.1172)

Have a look what the booklet for
XYZ(24.0051, 12.1760, 10.1172)
contains.

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Color

**XYZ(23.9684, 12.1575,
10.1002)**

Conversions

Conversions Part 1

Format	Color
Hex	C20057
RGB	194, 0, 87
RGB Percent	76%, 0%, 34%
CMY	0.2392, 0.9998, 0.6588
CMYK	0.00, 1.00, 0.55, 0.24
HSL	333°, 100%, 38%
HSV	333°, 100%, 76%
XYZ	23.9684, 12.1575, 10.1002
YIQ	67.9240, 87.6970, 68.1850

Conversions

Conversions Part 2

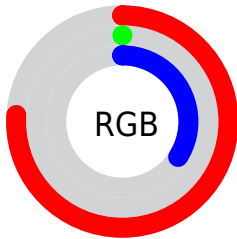
Format	Color
R_{YB}	194, 0, 87
Decimal	12714071
CIE Lab	41.47, 68.20, 8.54
CIE LCh	41, 68.728, 7.140
Yxy	12.1575, 0.5185, 0.2630
Android (android.graphics.Color)	4290904151 (0xFFC20057)
YUV	67.9240, 9.4045, 110.5687
Hunter-Lab	34.8676, 61.6847, 7.2326

Details

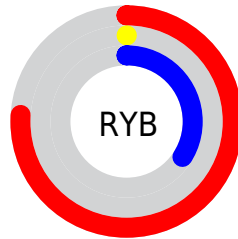
The XYZ color **23.9684, 12.1575, 10.1002** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed red. A complement of this color would be **21.9480, 39.6459, 20.4163**, and the grayscale version is **5.4613, 5.7457, 6.2570**.

A 20% lighter version of the original color is **48.9324, 29.5346, 26.4143**, and **10.0908, 5.1537, 2.6534** is the 20% darker color. If you saturate the color by 10%, you get **23.9674, 12.1570, 10.0955**, and if you desaturate by 10%, it is **24.6789, 12.8262, 12.6567**.

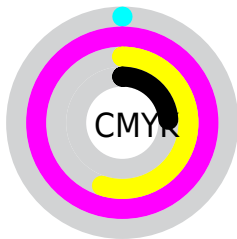
Distribution



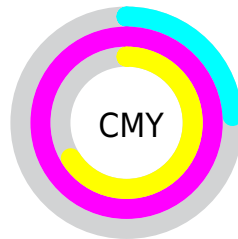
- Red (76%)
- Green (0%)
- Blue (34%)



- Red (76%)
- Yellow (0%)
- Blue (34%)



- Cyan (0%)
- Magenta (100%)
- Yellow (55%)
- Black (24%)



- Cyan (24%)
- Magenta (100%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.9684, 12.1575, 10.1002 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 23.9684, 12.1575, 10.1002 by changing the saturation by 10% instead.

■ 23.9684, 12.1575,
10.1002

■ 23.9684, 12.1575,
10.1002

265.1041,
205.4452, 201.8965

■ 15.4348, 6.8510,
5.3590

■ 49.4337, 29.7816,
26.5946

■ 9.2134, 3.3691,
2.3970

■ 67.0961, 42.8681,
39.1848

■ 4.9389, 1.3273,
0.7848

■ 88.5321, 59.3167,
55.2284

■ 2.2458, 0.1622,
0.0000

■ 114.1071, 79.5118,
75.1439

■ 0.7667, 0.0000,
0.0000

■ 144.1864,
103.8378, 99.3500

■ 0.0000, 0.0000,
0.0000

■ 179.1355,

132.6791, 128.2651

219.3196,
166.4201, 162.3077

■ 23.9684, 12.1575,
10.1002

■ 23.9684, 12.1575,
10.1002

■ 23.9674, 12.1570,
10.0955

■ 24.6789, 12.8262,
12.6567

■ 25.6966, 14.0011,
15.6486

■ 27.1093, 15.8541,
19.1177

■ 28.9633, 18.4735,
23.0911

■ 31.2977, 21.9345,
27.5931

■ 34.1474, 26.3029,
32.6461

■ 37.5436, 31.6380,
38.2708

■ 41.5150, 37.9940,
44.4867

■ 46.0884, 45.4212,
51.3122

Harmonies

Analogous

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



22.8779, 12.1575, 27.0821



23.9684, 12.1575, 10.1002



21.0442, 12.1575, 2.5986

Triad

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



23.9684, 12.1575, 10.1002



6.6664, 12.1575, 1.1825



8.2069, 12.1575, 58.3035

Complementary

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



23.9684, 12.1575, 10.1002



21.9480, 39.6459, 20.4163

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.



5.4586, 12.1575, 37.8080



23.9684, 12.1575, 10.1002



4.7650, 12.1575, 5.1606

Square

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



23.9684, 12.1575, 10.1002



10.4005, 12.1575, 0.2305



4.3977, 12.1575, 16.9651



12.7926, 12.1575, 63.7017

Rectangle

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



23.9684, 12.1575, 10.1002



17.5996, 12.1575, 0.9620



4.3977, 12.1575, 16.9651



7.0826, 12.1575, 52.4795

Sweetspot

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



23.9687, 12.1582, 10.1004



67.6905, 56.7980, 68.8069



15.7675, 7.0042, 51.5594



14.2214, 11.4878, 14.0848



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.



23.9687, 12.1582, 10.1004



43.2991, 21.9760, 17.6369



22.3539, 11.6807, 1.0776



10.2567, 10.1513, 11.4422



15.7981, 8.0090, 6.8486



0.7173, 0.3599, 0.4785

Inverse Universe

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



23.9687, 12.1582, 10.1004



43.2991, 21.9760, 17.6369



26.9412, 38.3016, 57.0115



10.2567, 10.1513, 11.4422



15.7981, 8.0090, 6.8486



0.7173, 0.3599, 0.4785

Previews

White Background



This preview shows how the XYZ color 23.9684, 12.1575, 10.1002 looks on a white background.

Color Contrast Check

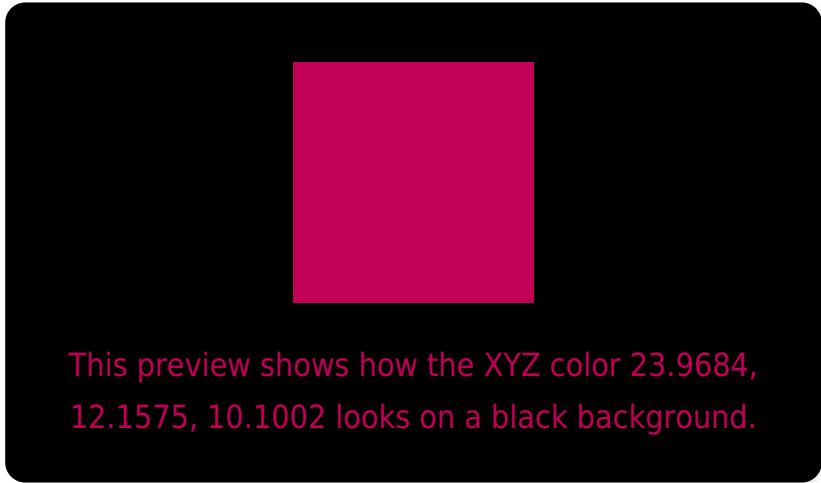
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.9684, 12.1575, 10.1002

Background



This preview shows how black text looks on a background with the XYZ color 23.9684, 12.1575, 10.1002.



This preview shows how white text looks on a background with the XYZ color 23.9684, 12.1575,

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

23.9684, 12.1575, 10.1002

Protanopia

12.8438, 12.8097, 21.5342

Deuteranopia

12.9303, 12.7122, 9.1693



Tritanopia

22.6280, 12.5240, 2.7381

Trichromacy



Original Color

23.9684, 12.1575, 10.1002

Protanomaly

13.9081, 9.4707, 16.4242

Deuteranomaly

14.8688, 9.9664, 9.1227

Tritanomaly

22.9218, 12.1683, 4.5088

Monochromacy



Original Color

23.9684, 12.1575, 10.1002

Achromatopsia

5.4944, 5.7805, 6.2950

Achromatomaly

9.0733, 5.8132, 7.3004

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.9684, 12.1575, 10.1002 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(194, 0, 87)` looks like.

```
.text, #text, p{  
    color:rgb(194, 0, 87)  
}
```

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(194, 0, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 0, 87) }
```

Border

The CSS property to change the border of an element to XYZ 23.9684, 12.1575, 10.1002 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(194, 0, 87) }
```


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

```
.border{ border-color:rgb(194, 0, 87) }
```

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

Here you see how a box with a 4 pixel rgb(194, 0, 87) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 0, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 0, 87);  
box-shadow:4px 4px 4px 4px rgb(194, 0, 87)  
}
```

Background

The CSS property to change the background color of an element to XYZ 23.9684, 12.1575, 10.1002 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 0, 87) }
```

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

```
.background{ background-color: rgb(194, 0,  
87) }
```

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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