

Converting Colors

XYZ(24.6105, 12.3309, 11.6661)

Have a look what the booklet for
XYZ(24.6105, 12.3309, 11.6661)
contains.

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Color

**XYZ(24.7853, 12.5439,
11.7046)**

Conversions

Conversions Part 1

Format	Color
Hex	C4005E
RGB	196, 0, 94
RGB Percent	77%, 0%, 37%
CMY	0.2314, 0.9999, 0.6314
CMYK	0.00, 1.00, 0.52, 0.23
HSL	331°, 100%, 38%
HSV	331°, 100%, 77%
XYZ	24.7853, 12.5439, 11.7046
YIQ	69.3200, 86.6420, 70.7860

Conversions

Conversions Part 2

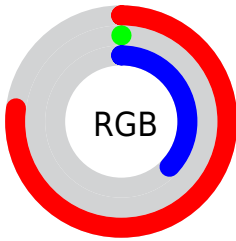
Format	Color
R_{YB}	196, 0, 94
Decimal	12845150
CIE _{Lab}	42.07, 69.15, 5.02
CIE _{LCh}	42, 69.329, 4.153
Yxy	12.5439, 0.5055, 0.2558
Android (android.graphics.Color)	4291035230 (0xFFC4005E)
YUV	69.3200, 12.1672, 111.0984
Hunter-Lab	35.4174, 62.9350, 5.1982

Details

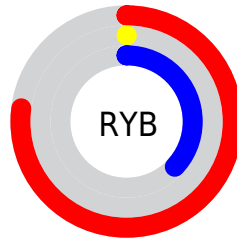
The XYZ color **24.7853, 12.5439, 11.7046** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed red. A complement of this color would be **22.1403, 40.4399, 19.2184**, and the grayscale version is **5.6830, 5.9789, 6.5111**.

A 20% lighter version of the original color is **49.6018, 29.9292, 29.5482**, and **10.5461, 5.3726, 3.3869** is the 20% darker color. If you saturate the color by 10%, you get **24.7844, 12.5435, 11.7001**, and if you desaturate by 10%, it is **25.5176, 13.2269, 14.3587**.

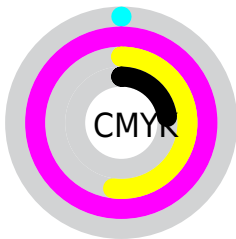
Distribution



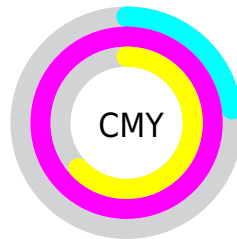
- Red (77%)
- Green (0%)
- Blue (37%)



- Red (77%)
- Yellow (0%)
- Blue (37%)



- Cyan (0%)
- Magenta (100%)
- Yellow (52%)
- Black (23%)





- Cyan (23%)
- Magenta (100%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.7853, 12.5439, 11.7046 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 24.7853, 12.5439, 11.7046 by changing the saturation by 10% instead.


 24.7853, 12.5439,
11.7046


 24.7853, 12.5439,
11.7046


269.1344,
207.9735, 213.3478


 16.0450, 7.1152,
6.4228


 50.7541, 30.4819,
29.6122


 9.6471, 3.5343,
3.0309


 68.7134, 43.7600,
43.0752

 5.2261, 1.4166,
1.1104

 90.4764, 60.4235,
60.1022

 2.4166, 0.2289,
0.0000

 116.4084, 80.8565,
81.1118

 0.8534, 0.0000,
0.0000

 146.8749,
105.4437, 106.5227

 0.0000, 0.0000,
0.0000

 182.2411,

134.5693, 136.7533

222.8725,
168.6178, 172.2221

■ 24.7853, 12.5439,
11.7046

■ 24.7853, 12.5439,
11.7046

■ 24.7844, 12.5435,
11.7001

■ 25.5176, 13.2269,
14.3587

■ 26.5585, 14.4264,
17.4252

■ 27.9969, 16.3175,
20.9443

■ 29.8800, 18.9906,
24.9414

■ 32.2475, 22.5225,
29.4396

■ 35.1347, 26.9807,
34.4595

■ 38.5733, 32.4260,
40.0206

■ 42.5925, 38.9136,
46.1410

■ 47.2193, 46.4951,
52.8380

Harmonies

Analogous

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



23.2463, 12.5439, 30.1388



24.7853, 12.5439, 11.7046



22.1443, 12.5439, 3.1190

Triad

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



24.7853, 12.5439, 11.7046



7.1806, 12.5439, 1.0629



8.1039, 12.5439, 58.4138

Complementary

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



24.7853, 12.5439, 11.7046



22.1403, 40.4399, 19.2184

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.



5.4596, 12.5439, 36.5829



24.7853, 12.5439, 11.7046



5.0443, 12.5439, 4.6467

Square

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



24.7853, 12.5439, 11.7046



11.2194, 12.5439, 0.2366



4.5197, 12.5439, 15.8179



12.6546, 12.5439, 66.0031

Rectangle

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



24.7853, 12.5439, 11.7046



18.7167, 12.5439, 1.1531



4.5197, 12.5439, 15.8179



7.0109, 12.5439, 51.9834

Sweetspot

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



24.7856, 12.5447, 11.7048



69.5492, 58.2158, 71.9835



15.3628, 6.7694, 52.7212



14.2931, 11.5165, 14.4624



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.



24.7856, 12.5447, 11.7048



44.7697, 22.6719, 20.5173



22.8009, 11.8075, 1.0784



10.2698, 10.1565, 11.5114



15.9682, 8.0770, 7.7444



0.7248, 0.3629, 0.5180

Inverse Universe

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



24.7856, 12.5447, 11.7048



44.7697, 22.6719, 20.5173



28.9753, 42.0079, 58.8055



10.2698, 10.1565, 11.5114



15.9682, 8.0770, 7.7444



0.7248, 0.3629, 0.5180

Previews

White Background



This preview shows how the XYZ color 24.7853, 12.5439, 11.7046 looks on a white background.

Color Contrast Check

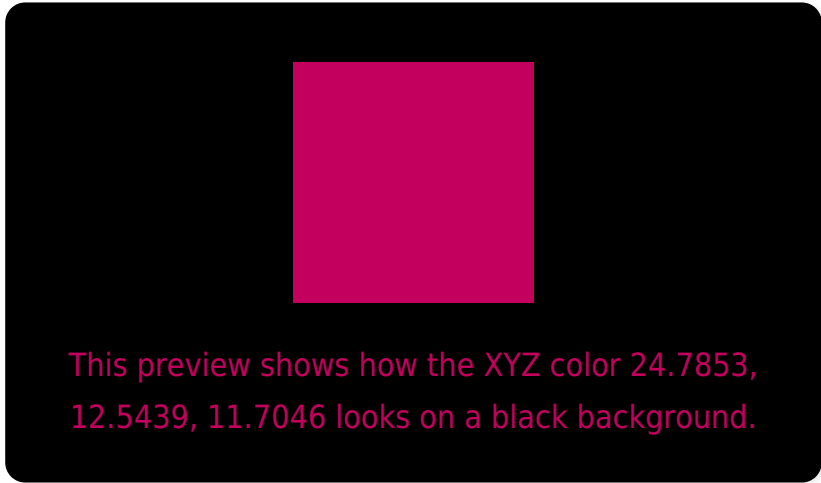
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.7853, 12.5439, 11.7046

Background



This preview shows how black text looks on a background with the XYZ color 24.7853, 12.5439, 11.7046.



This preview shows how white text looks on a background with the XYZ color 24.7853, 12.5439,

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

24.7853, 12.5439, 11.7046

Protanopia

13.4147, 13.1672, 25.1270

Deuteranopia

13.3835, 13.1892, 10.6445



Tritanopia

23.2436, 12.9260, 3.0202

Trichromacy



Original Color

24.7853, 12.5439, 11.7046



Protanomaly

14.4905, 9.7931, 19.2157



Deuteranomaly

15.3799, 10.2775, 10.6243



Tritanomaly

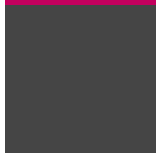
23.5960, 12.5609, 5.1838

Monochromacy



Original Color

24.7853, 12.5439, 11.7046



Achromatopsia

5.6565, 5.9511, 6.4808



Achromatomaly

9.3461, 5.9963, 7.8725

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.7853, 12.5439, 11.7046 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, 0, 94)` looks like.

```
.text, #text, p{  
    color:rgb(196, 0, 94)  
}
```

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, 0, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 0, 94) }
```

Border

The CSS property to change the border of an element to XYZ 24.7853, 12.5439, 11.7046 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, 0, 94) }
```


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

```
.border{ border-color:rgb(196, 0, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 0, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 0, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 0, 94);  
box-shadow:4px 4px 4px 4px rgb(196, 0, 94)  
}
```

Background

The CSS property to change the background color of an element to XYZ 24.7853, 12.5439, 11.7046 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 0, 94) }
```

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

```
.background{ background-color: rgb(196, 0,  
94) }
```

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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