

Converting Colors

XYZ(23.1059, 8.8548, 11.0231)

Have a look what the booklet for
XYZ(23.1059, 8.8548, 11.0231)
contains.

XYZ(25.0463, 12.6785, 11.7168)	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(25.0463, 12.6785,
11.7168)**

Conversions

Conversions Part 1

Format	Color
Hex	C5005E
RGB	197, 0, 94
RGB Percent	77%, 0%, 37%
CMY	0.2275, 0.9998, 0.6314
CMYK	0.00, 1.00, 0.52, 0.23
HSL	331°, 100%, 39%
HSV	331°, 100%, 77%
XYZ	25.0463, 12.6785, 11.7168
YIQ	69.6190, 87.2380, 70.9980

Conversions

Conversions Part 2

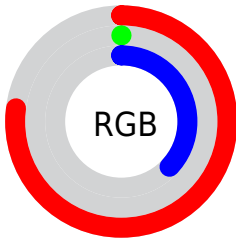
Format	Color
R_{YB}	197, 0, 94
Decimal	12910686
CIE _{Lab}	42.27, 69.37, 5.34
CIE _{LCh}	42, 69.578, 4.406
Yxy	12.6785, 0.5066, 0.2564
Android (android.graphics.Color)	4291100766 (0xFFC5005E)
YUV	69.6190, 12.0198, 111.7131
Hunter-Lab	35.6069, 63.2470, 5.4149

Details

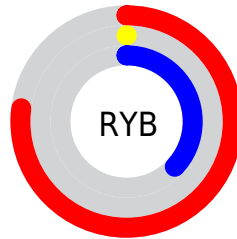
The XYZ color **25.0463, 12.6785, 11.7168** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed red. A complement of this color would be **22.4168, 40.9125, 19.5577**, and the grayscale version is **5.7326, 6.0312, 6.5679**.

A 20% lighter version of the original color is **49.6018, 29.9292, 29.5482**, and **10.7077, 5.4560, 3.3945** is the 20% darker color. If you saturate the color by 10%, you get **25.0453, 12.6780, 11.7119**, and if you desaturate by 10%, it is **25.7855, 13.3671, 14.3984**.

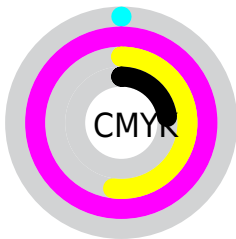
Distribution



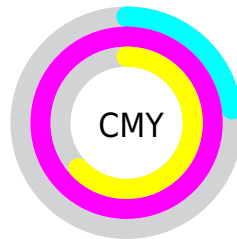
- Red (77%)
- Green (0%)
- Blue (37%)



- 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 25.0463, 12.6785, 11.7168 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 25.0463, 12.6785, 11.7168 by changing the saturation by 10% instead.


 25.0463, 12.6785,
11.7168


 25.0463, 12.6785,
11.7168


270.4118,
208.8468, 213.4323


 16.2405, 7.2075,
6.4310


 51.1747, 30.7250,
29.6349


 9.7864, 3.5922,
3.0359


 69.2279, 44.0693,
43.1042


 5.3187, 1.4482,
1.1130

 91.0944, 60.8068,
60.1385

 2.4721, 0.2518,
0.0000

 117.1394, 81.3220,
81.1562

 0.8812, 0.0000,
0.0000

 147.7282,
105.9992, 106.5758

 0.0000, 0.0000,
0.0000

 183.2264,

135.2228, 136.8161

223.9991,
169.3772, 172.2954

■ 25.0463, 12.6785,
11.7168

■ 25.0463, 12.6785,
11.7168

■ 25.0453, 12.6780,
11.7119

■ 25.7855, 13.3671,
14.3984

■ 26.8376, 14.5791,
17.5001

■ 28.2927, 16.4908,
21.0625

■ 30.1981, 19.1943,
25.1119

■ 32.5944, 22.7671,
29.6714

■ 35.5174, 27.2776,
34.7624

■ 38.9991, 32.7873,
40.4045

■ 43.0690, 39.3523,
46.6164

■ 47.7546, 47.0246,
53.4155

Harmonies

Analogous

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



23.5260, 12.6785, 30.2701



25.0463, 12.6785, 11.7168



22.3447, 12.6785, 3.1135

Triad

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



25.0463, 12.6785, 11.7168



7.2316, 12.6785, 1.0872



8.2215, 12.6785, 59.1869

Complementary

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



25.0463, 12.6785, 11.7168



22.4168, 40.9125, 19.5577

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.



5.5328, 12.6785, 37.1780



25.0463, 12.6785, 11.7168



5.0875, 12.6785, 4.7521

Square

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



25.0463, 12.6785, 11.7168



11.2975, 12.6785, 0.2458



4.5698, 12.6785, 16.1270



12.8363, 12.6785, 66.6865

Rectangle

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



25.0463, 12.6785, 11.7168



18.8693, 12.6785, 1.1512



4.5698, 12.6785, 16.1270



7.1112, 12.6785, 52.7227

Sweetspot

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



25.0466, 12.6793, 11.7170



69.5251, 58.2062, 71.8569



15.5355, 6.8453, 53.3254



14.2875, 11.5142, 14.4325



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.



25.0466, 12.6793, 11.7170



44.7311, 22.6564, 20.3140



23.0621, 11.9425, 1.0908



10.8410, 10.7198, 12.1462



16.5152, 8.3556, 7.9229



0.8185, 0.4103, 0.5676

Inverse Universe

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



25.0466, 12.6793, 11.7170



44.7311, 22.6564, 20.3140



29.3073, 42.4890, 59.4795



10.8410, 10.7198, 12.1462



16.5152, 8.3556, 7.9229



0.8185, 0.4103, 0.5676

Previews

White Background



This preview shows how the XYZ color 25.0463, 12.6785, 11.7168 looks on a white background.

Color Contrast Check

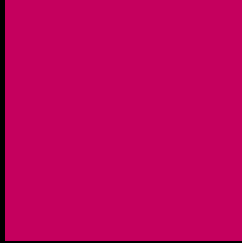
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.0463, 12.6785, 11.7168 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 25.0463, 12.6785, 11.7168

Background



This preview shows how black text looks on a background with the XYZ color 25.0463, 12.6785, 11.7168.



This preview shows how white text looks on a background with the XYZ color 25.0463, 12.6785,

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

25.0463, 12.6785, 11.7168

Protanopia

13.5112, 13.3602, 25.1592

Deuteranopia

13.5186, 13.2588, 10.6508



Tritanopia

23.5012, 13.0588, 3.0322

Trichromacy



Original Color

25.0463, 12.6785, 11.7168



Protanomaly

14.4905, 9.7931, 19.2157



Deuteranomaly

15.5584, 10.3696, 10.6327



Tritanomaly

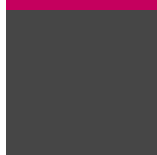
23.8553, 12.6945, 5.1960

Monochromacy



Original Color

25.0463, 12.6785, 11.7168



Achromatopsia

5.8214, 6.1246, 6.6697



Achromatomaly

9.5521, 6.1543, 8.0816

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.0463, 12.6785, 11.7168 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(197, 0, 94)` looks like.

```
.text, #text, p{  
    color:rgb(197, 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(197, 0, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 0, 94) }
```

Border

The CSS property to change the border of an element to XYZ 25.0463, 12.6785, 11.7168 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(197, 0, 94) }
```


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

```
.border{ border-color:rgb(197, 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(197, 0, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 0, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 0, 94);  
box-shadow:4px 4px 4px 4px rgb(197, 0, 94)  
}
```

Background

The CSS property to change the background color of an element to XYZ 25.0463, 12.6785, 11.7168 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 0, 94) }
```

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

```
.background{ background-color: rgb(197, 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](#).

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