

Converting Colors

XYZ(25.7188, 15.9061, 3.7026)

Have a look what the booklet for
XYZ(25.7188, 15.9061, 3.7026)
contains.

XYZ(25.7696, 15.9621, 3.7303)	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(25.7696, 15.9621,
3.7303)**

Conversions

Conversions Part 1

Format	Color
Hex	C74028
RGB	199, 64, 40
RGB Percent	78%, 25%, 16%
CMY	0.2196, 0.7490, 0.8431
CMYK	0.00, 0.68, 0.80, 0.22
HSL	9°, 67%, 47%
HSV	9°, 80%, 78%
XYZ	25.7696, 15.9621, 3.7303
YIQ	101.6290, 88.1640, 21.1560

Conversions

Conversions Part 2

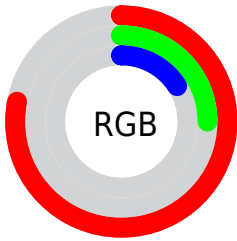
Format	Color
RYB	199, 68, 40
Decimal	13058088
CIELab	46.92, 52.39, 43.53
CIElCh	47, 68.114, 39.727
Yxy	15.9621, 0.5668, 0.3511
Android (android.graphics.Color)	4291248168 (0xFFC74028)
YUV	101.6290, -30.3831, 85.3944
Hunter-Lab	39.9526, 45.2162, 22.4310

Details

The XYZ color **25.7696, 15.9621, 3.7303** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **26.5122, 35.2314, 59.4355**, and the grayscale version is **12.5940, 13.2498, 14.4291**.

A 20% lighter version of the original color is **49.5571, 35.1418, 13.1879**, and **10.3165, 5.3184, 0.4828** is the 20% darker color. If you saturate the color by 10%, you get **24.7013, 14.2350, 2.1123**, and if you desaturate by 10%, it is **27.3013, 18.3378, 6.3619**.

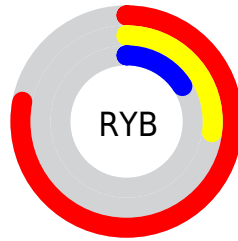
Distribution



Red (78%)

Green (25%)

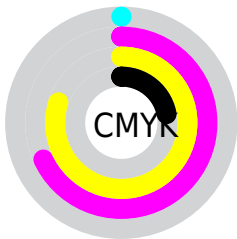
Blue (16%)



Red (78%)

Yellow (27%)

Blue (16%)

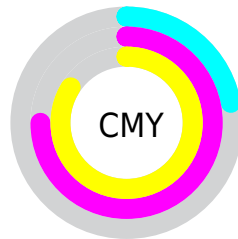


Cyan (0%)

Magenta (68%)

Yellow (80%)

Black (22%)



Cyan (22%)


Magenta (75%)


Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 25.7696, 15.9621, 3.7303 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 25.7696, 15.9621, 3.7303 by changing the saturation by 10% instead.


 25.7696, 15.9621,
3.7303


 25.7696, 15.9621,
3.7303


273.9267,
229.1180, 145.1788


 16.7831, 9.4973,
1.4786


 52.3370, 36.5324,
13.3828


 10.1743, 5.0670,
0.2019


 70.6486, 51.4067,
21.6207

 5.5779, 2.2866,
0.0000

 92.7993, 69.8530,
32.6910

 2.6283, 0.7666,
0.0000

 119.1545, 92.2557,
47.0124

 0.9604, 0.0000,
0.0000

 150.0794,
118.9991, 65.0033

 0.0000, 0.0000,
0.0000

 185.9396,

150.4677, 87.0823

227.1002,
187.0459, 113.6680

■ 25.7696, 15.9621,
3.7303

■ 25.7696, 15.9621,
3.7303

■ 24.7013, 14.2350,
2.1123

■ 27.3013, 18.3378,
6.3619

■ 24.0240, 13.0821,
1.2647

■ 29.3426, 21.4161,
10.1382

■ 24.0185, 13.0730,
1.2574

■ 31.9348, 25.2483,
15.1711

■ 35.1148, 29.8799,
21.5593

■ 38.9161, 35.3530,
29.3912

■ 43.3697, 41.7068,
38.7480

■ 48.5046, 48.9776,
49.7047

■ 54.3478, 57.2002,
62.3315

■ 60.9252, 66.4072,
76.6942

Harmonies

Analogous

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



29.4560, 15.9621, 12.4150



25.7696, 15.9621, 3.7303



19.4865, 15.9621, 1.2072

Triad

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



25.7696, 15.9621, 3.7303



6.7769, 15.9621, 8.3261



17.1859, 15.9621, 73.7282

Complementary

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



25.7696, 15.9621, 3.7303



26.5122, 35.2314, 59.4355

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.



11.5457, 15.9621, 69.7225



25.7696, 15.9621, 3.7303



6.4641, 15.9621, 23.5184

Square

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



25.7696, 15.9621, 3.7303



8.9759, 15.9621, 2.4036



7.9692, 15.9621, 47.8206



23.7122, 15.9621, 56.6698

Rectangle

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



25.7696, 15.9621, 3.7303



15.2259, 15.9621, 0.8943



7.9692, 15.9621, 47.8206



15.1172, 15.9621, 74.9675

Sweetspot

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



25.7700, 15.9630, 3.7305



72.3207, 67.8772, 60.2111



32.0644, 16.7607, 42.1797



14.8877, 13.6831, 11.6469



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.



25.7700, 15.9630, 3.7305



42.3189, 23.3284, 2.5653



33.8112, 32.0454, 6.4109



10.7610, 10.8912, 11.0978



15.4853, 8.4877, 0.8221



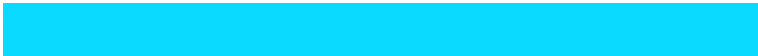
0.7756, 0.4867, 0.0531

Inverse Universe

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



26.5122, 35.2314, 59.4355



43.2587, 57.4478, 103.4163



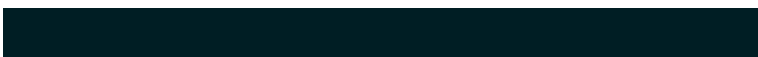
15.3349, 12.8768, 55.7097



10.8050, 11.7841, 13.6226



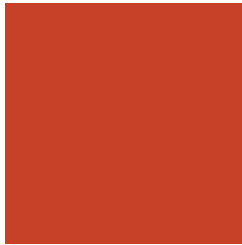
15.7975, 20.9890, 37.9630



0.7860, 1.0698, 1.8102

Previews

White Background



This preview shows how the XYZ color 25.7696, 15.9621, 3.7303 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 25.7696, 15.9621, 3.7303 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 25.7696, 15.9621, 3.7303

Background



This preview shows how black text looks on a background with the XYZ color 25.7696, 15.9621, 3.7303.



This preview shows how white text looks on a background with the XYZ color 25.7696, 15.9621,

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

25.7696, 15.9621, 3.7303

Protanopia

14.7490, 16.1305, 5.7043

Deuteranopia

16.3481, 16.0546, 3.3358



Tritanopia

26.4136, 15.9870, 6.5441

Trichromacy



Original Color

25.7696, 15.9621, 3.7303

Protanomaly

17.3882, 14.9771, 4.7707

Deuteranomaly

18.9021, 15.2678, 3.3172

Tritanomaly

26.2316, 16.0004, 5.3203

Monochromacy



Original Color

25.7696, 15.9621, 3.7303

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

15.2175, 12.8623, 9.0778

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.7696, 15.9621, 3.7303 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(199, 64, 40)` looks like.

```
.text, #text, p{  
    color:rgb(199, 64, 40)  
}
```

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(199, 64, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 64, 40) }
```

Border

The CSS property to change the border of an element to XYZ 25.7696, 15.9621, 3.7303 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(199, 64, 40) }
```


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

```
.border{ border-color:rgb(199, 64, 40) }
```

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

Here you see how a box with a 4 pixel rgb(199, 64, 40) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 64, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 64, 40);  
box-shadow:4px 4px 4px 4px rgb(199, 64,  
40) }
```

Background

The CSS property to change the background color of an element to XYZ 25.7696, 15.9621, 3.7303 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 64, 40) }
```

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

```
.background{ background-color: rgb(199, 64,  
40) }
```

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