

Converting Colors

XYZ(25.1100, 12.9206, 2.2613)

Have a look what the booklet for
XYZ(25.1100, 12.9206, 2.2613)
contains.

XYZ(25.1114, 12.9212, 2.2691)	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(25.1114, 12.9212,
2.2691)**

Conversions

Conversions Part 1

Format	Color
Hex	CC001C
RGB	204, 0, 28
RGB Percent	80%, 0%, 11%
CMY	0.2000, 0.9998, 0.8902
CMYK	0.00, 1.00, 0.86, 0.20
HSL	352°, 100%, 40%
HSV	352°, 100%, 80%
XYZ	25.1114, 12.9212, 2.2691
YIQ	64.1880, 112.5960, 51.9560

Conversions

Conversions Part 2

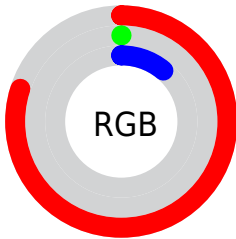
Format	Color
RYB	204, 0, 28
Decimal	13369372
CIELab	42.64, 68.06, 46.07
CIELCh	43, 82.186, 34.097
Yxy	12.9212, 0.6231, 0.3206
Android (android.graphics.Color)	4291559452 (0xFFCC001C)
YUV	64.1880, -17.8407, 122.6151
Hunter-Lab	35.9461, 61.7919, 21.4196

Details

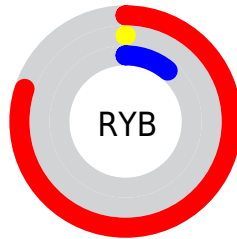
The XYZ color **25.1114, 12.9212, 2.2691** is a dark color, and the websafe version is hex **CC0000**. The color can be described as dark washed red. A complement of this color would be **29.4339, 46.3219, 48.4861**, and the grayscale version is **4.9191, 5.1752, 5.6358**.

A 20% lighter version of the original color is **45.7245, 28.2514, 9.5217**, and **10.8152, 5.5754, 0.5061** is the 20% darker color. If you saturate the color by 10%, you get **25.1108, 12.9209, 2.2668**, and if you desaturate by 10%, it is **25.6450, 13.5475, 3.8073**.

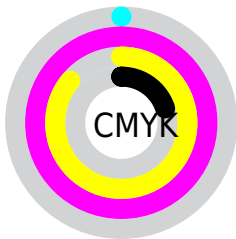
Distribution



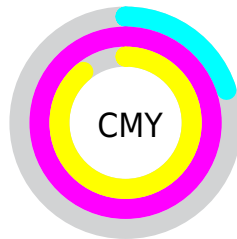
- Red (80%)
- Green (0%)
- Blue (11%)



- Red (80%)
- Yellow (0%)
- Blue (11%)



- Cyan (0%)
- Magenta (100%)
- Yellow (86%)
- Black (20%)





- Cyan (20%)
- Magenta (100%)
- Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.1114, 12.9212, 2.2691 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 25.1114, 12.9212, 2.2691 by changing the saturation by 10% instead.


 25.1114, 12.9212,
2.2691


 25.1114, 12.9212,
2.2691


270.7297,
210.4120, 126.4246


 16.2892, 7.3743,
0.7138


 51.2795, 31.1621,
9.7642


 9.8212, 3.6973,
0.0000


 69.3561, 44.6250,
16.5623


 5.3419, 1.5057,
0.0000

 91.2483, 61.4953,
25.9520

 2.4861, 0.2927,
0.0000

 117.3214, 82.1574,
38.3519

 0.8882, 0.0000,
0.0000


 147.9407,
106.9957, 54.1806


 0.0000, 0.0000,
0.0000


 183.4716,


136.3947, 73.8566


 224.2795,
170.7386, 97.7984


 25.1114, 12.9212,
2.2691


 25.1114, 12.9212,
2.2691


 25.1108, 12.9209,
2.2668

 25.6450, 13.5475,
3.8073

 26.5921, 14.7735,
6.1831

 28.0615, 16.7920,
9.5096

 30.1163, 19.7078,
13.8749

 32.8107, 23.6098,
19.3564

■ 36.1924, 28.5760,
26.0244

■ 40.3047, 34.6767,
33.9433

■ 45.1874, 41.9761,
43.1727

■ 50.8770, 50.5336,
53.7685

Harmonies

Analogous

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



28.5234, 12.9212, 11.7575



25.1114, 12.9212, 2.2691



18.2927, 12.9212, 0.0000

Triad

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



25.1114, 12.9212, 2.2691



4.3499, 12.9212, 3.7737



13.1571, 12.9212, 83.5296

Complementary

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



25.1114, 12.9212, 2.2691



29.4339, 46.3219, 48.4861

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.



7.7563, 12.9212, 72.9929



25.1114, 12.9212, 2.2691



3.7888, 12.9212, 16.6651

Square

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



25.1114, 12.9212, 2.2691



6.7155, 12.9212, 0.3822



4.7926, 12.9212, 43.3961



20.2950, 12.9212, 65.8909

Rectangle

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



25.1114, 12.9212, 2.2691



13.5549, 12.9212, 0.0000



4.7926, 12.9212, 43.3961



11.0900, 12.9212, 83.2209

Sweetspot

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



25.1117, 12.9220, 2.2693



66.4438, 56.9736, 55.6312



28.2229, 13.2911, 58.2041



13.5712, 11.2277, 10.6609



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.



25.1117, 12.9220, 2.2693



41.5427, 21.3811, 3.5239



27.1824, 17.3984, 1.9268



11.2739, 11.2383, 11.9770



15.8254, 8.1407, 1.5332



0.8373, 0.4283, 0.1891

Inverse Universe

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



25.1117, 12.9220, 2.2693



41.5427, 21.3811, 3.5239



19.2344, 21.0296, 60.1716



11.2739, 11.2383, 11.9770



15.8254, 8.1407, 1.5332



0.8373, 0.4283, 0.1891

Previews

White Background



This preview shows how the XYZ color 25.1114, 12.9212, 2.2691 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 25.1114, 12.9212, 2.2691

Background



This preview shows how black text looks on a background with the XYZ color 25.1114, 12.9212, 2.2691.



This preview shows how white text looks on a background with the XYZ color 25.1114, 12.9212, 2.2691.

2.2691.

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

25.1114, 12.9212, 2.2691

Protanopia

12.3028, 13.4831, 4.6434

Deuteranopia

13.5736, 13.4812, 1.8867



Tritanopia

24.8449, 13.1291, 1.2247

Trichromacy



Original Color

25.1114, 12.9212, 2.2691

Protanomaly

14.3638, 10.2527, 3.2294

Deuteranomaly

15.6820, 10.6353, 1.5134

Tritanomaly

24.8031, 12.9578, 1.4810

Monochromacy



Original Color

25.1114, 12.9212, 2.2691

Achromatopsia

4.8732, 5.1269, 5.5832

Achromatomaly

8.4607, 5.4697, 3.7418

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.1114, 12.9212, 2.2691 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(204, 0, 28)` looks like.

```
.text, #text, p{  
    color:rgb(204, 0, 28)  
}
```

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(204, 0, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 0, 28) }
```

Border

The CSS property to change the border of an element to XYZ 25.1114, 12.9212, 2.2691 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(204, 0, 28) }
```


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

```
.border{ border-color:rgb(204, 0, 28) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 0, 28)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 0, 28); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 0, 28);  
box-shadow:4px 4px 4px 4px rgb(204, 0, 28)  
}
```

Background

The CSS property to change the background color of an element to XYZ 25.1114, 12.9212, 2.2691 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 0, 28) }
```

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

```
.background{ background-color: rgb(204, 0,  
28) }
```

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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