

Converting Colors

XYZ(25.1831, 13.3998, 1.2591)

Have a look what the booklet for
XYZ(25.1831, 13.3998, 1.2591)
contains.

XYZ(25.1887, 13.4112, 1.2610)	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(25.1887, 13.4112,
1.2610)**

Conversions

Conversions Part 1

Format	Color
Hex	CC1600
RGB	204, 22, 0
RGB Percent	80%, 9%, 0%
CMY	0.2000, 0.9136, 1.0000
CMYK	0.00, 0.89, 1.00, 0.20
HSL	6°, 100%, 40%
HSV	6°, 100%, 80%
XYZ	25.1887, 13.4112, 1.2610
YIQ	73.9100, 115.5340, 31.7420

Conversions

Conversions Part 2

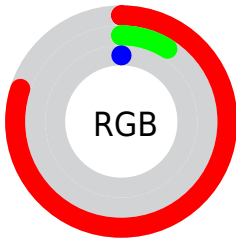
Format	Color
RYB	204, 25, 0
Decimal	13374976
CIELab	43.38, 65.23, 57.12
CIElCh	43, 86.707, 41.209
Yxy	13.4112, 0.6319, 0.3365
Android (android.graphics.Color)	4291565056 (0xFFCC1600)
YUV	73.9100, -36.4376, 114.0889
Hunter-Lab	36.6213, 58.6878, 23.5934

Details

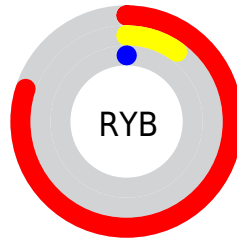
The XYZ color **25.1887, 13.4112, 1.2610** is a dark color, and the websafe version is hex **CC0000**. The color can be described as dark washed red. A complement of this color would be **27.6213, 37.8043, 62.9673**, and the grayscale version is **6.5436, 6.8843, 7.4970**.

A 20% lighter version of the original color is **45.7097, 29.1713, 6.5896**, and **10.6475, 5.4890, 0.4983** is the 20% darker color. If you saturate the color by 10%, you get **25.1890, 13.4121, 1.2612**, and if you desaturate by 10%, it is **25.7978, 14.4219, 2.1047**.

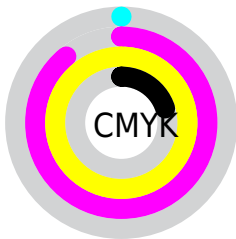
Distribution



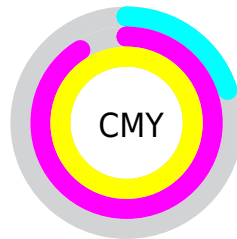
- Red (80%)
- Green (9%)
- Blue (0%)



- Red (80%)
- Yellow (10%)
- Blue (0%)



- Cyan (0%)
- Magenta (89%)
- Yellow (100%)
- Black (20%)





- Cyan (20%)
- Magenta (91%)
- Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the XYZ color 25.1887, 13.4112, 1.2610 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 25.1887, 13.4112, 1.2610 by changing the saturation by 10% instead.


 25.1887, 13.4112,
1.2610


 25.1887, 13.4112,
1.2610


 271.1067,
213.5364, 109.5738


 16.3472, 7.7123,
0.0295


 51.4039, 32.0406,
6.8988


 9.8626, 3.9114,
0.0000


 69.5082, 45.7398,
12.4117


 5.3695, 1.6241,
0.0000

 91.4309, 62.8747,
20.2787

 2.5026, 0.3738,
0.0000

 117.5373, 83.8295,
30.9184


 0.8966, 0.0000,
0.0000


 148.1927,
108.9887, 44.7491


 0.0000, 0.0000,
0.0000


 183.7625,


138.7367, 62.1896


 224.6121,
173.4578, 83.6583


 25.1887, 13.4112,
1.2610


 25.1887, 13.4112,
1.2610


 25.1890, 13.4121,
1.2612

 25.7978, 14.4219,
2.1047

 26.8327, 16.0647,
3.7661

 28.3765, 18.4308,
6.5050

 30.4850, 21.5916,
10.4639

 33.2064, 25.6096,
15.7633

■ 36.5838, 30.5414,
22.5093

■ 40.6563, 36.4383,
30.7975

■ 45.4600, 43.3482,
40.7151

■ 51.0285, 51.3155,
52.3428

Harmonies

Analogous

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



30.1465, 13.4112, 8.5122



25.1887, 13.4112, 1.2610



17.3921, 13.4112, 0.0000

Triad

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



25.1887, 13.4112, 1.2610



3.9951, 13.4112, 5.6150



15.4349, 13.4112, 89.6107

Complementary

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



25.1887, 13.4112, 1.2610



27.6213, 37.8043, 62.9673

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.



9.0126, 13.4112, 85.4216



25.1887, 13.4112, 1.2610



3.7940, 13.4112, 23.0679

Square

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



25.1887, 13.4112, 1.2610



5.9750, 13.4112, 0.6681



5.2735, 13.4112, 55.2235



23.3290, 13.4112, 64.0796

Rectangle

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



25.1887, 13.4112, 1.2610



12.4755, 13.4112, 0.0000



5.2735, 13.4112, 55.2235



13.0223, 13.4112, 91.9760

Sweetspot

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



25.1890, 13.4121, 1.2612



67.0456, 59.9333, 50.4178



33.5113, 16.2811, 46.5037



13.7072, 11.8983, 9.4772



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.



25.1890, 13.4121, 1.2612



41.6443, 22.0685, 2.0648



31.9102, 26.8546, 3.5016



11.3082, 11.4054, 11.6849



15.8882, 8.5093, 0.8051



0.8534, 0.5065, 0.0528

Inverse Universe

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



27.6213, 37.8043, 62.9673



45.6470, 62.4140, 104.2490



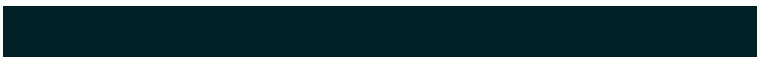
13.8862, 10.3340, 58.3889



11.4358, 12.5120, 14.3827



17.4270, 23.8779, 39.6467



0.9294, 1.2925, 2.0554

Previews

White Background



This preview shows how the XYZ color 25.1887, 13.4112, 1.2610 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 25.1887, 13.4112, 1.2610

Background



This preview shows how black text looks on a background with the XYZ color 25.1887, 13.4112, 1.2610.



This preview shows how white text looks on a background with the XYZ color 25.1887, 13.4112,

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

25.1887, 13.4112, 1.2610

Protanopia

12.4729, 13.7571, 2.9753

Deuteranopia

13.8219, 13.7490, 1.9253



Tritanopia

25.2493, 13.4054, 1.6722

Trichromacy



Original Color

25.1887, 13.4112, 1.2610

Protanomaly

14.9444, 11.3276, 1.9291

Deuteranomaly

16.3538, 11.7756, 1.4110

Tritanomaly

25.2193, 13.3934, 1.5144

Monochromacy



Original Color

25.1887, 13.4112, 1.2610

Achromatopsia

6.5089, 6.8478, 7.4573

Achromatomaly

9.7644, 7.0026, 3.5263

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.1887, 13.4112, 1.2610 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, 22, 0)` looks like.

```
.text, #text, p{  
    color:rgb(204, 22, 0)  
}
```

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, 22, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 22, 0) }
```

Border

The CSS property to change the border of an element to XYZ 25.1887, 13.4112, 1.2610 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, 22, 0) }
```


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

```
.border{ border-color:rgb(204, 22, 0) }
```

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

Here you see how a box with a 4 pixel rgb(204, 22, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 22, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 22, 0);  
box-shadow:4px 4px 4px 4px rgb(204, 22, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 25.1887, 13.4112, 1.2610 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 22, 0) }
```

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

```
.background{ background-color: rgb(204, 22,  
0) }
```

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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