

Converting Colors

XYZ(24.7444, 11.3900, 1.3577)

Have a look what the booklet for
XYZ(24.7444, 11.3900, 1.3577)
contains.

XYZ(25.5398, 13.1563, 1.6453)	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(25.5398, 13.1563,
1.6453)**

Conversions

Conversions Part 1

Format	Color
Hex	CE000F
RGB	206, 0, 15
RGB Percent	81%, 0%, 6%
CMY	0.1922, 0.9998, 0.9412
CMYK	0.00, 1.00, 0.93, 0.19
HSL	356°, 100%, 40%
HSV	356°, 100%, 81%
XYZ	25.5398, 13.1563, 1.6453
YIQ	63.3040, 117.9610, 48.3370

Conversions

Conversions Part 2

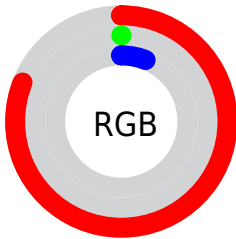
Format	Color
RYB	206, 0, 15
Decimal	13500431
CIELab	43.00, 68.35, 52.28
CIElCh	43, 86.047, 37.410
Yxy	13.1563, 0.6331, 0.3261
Android (android.graphics.Color)	4291690511 (0xFFCE000F)
YUV	63.3040, -23.8139, 125.1444
Hunter-Lab	36.2716, 62.2112, 22.7007

Details

The XYZ color **25.5398, 13.1563, 1.6453** 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 **31.4803, 47.9059, 56.9021**, and the grayscale version is **4.7950, 5.0447, 5.4937**.

A 20% lighter version of the original color is **45.4650, 28.2745, 7.7639**, and **10.9845, 5.6627, 0.5141** is the 20% darker color. If you saturate the color by 10%, you get **25.5393, 13.1561, 1.6438**, and if you desaturate by 10%, it is **26.0053, 13.7612, 2.8069**.

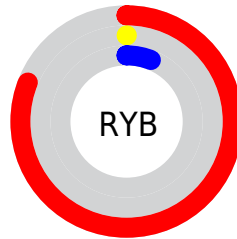
Distribution



Red (81%)

Green (0%)

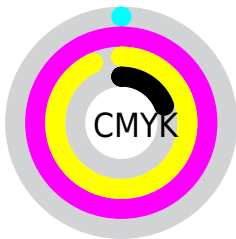
Blue (6%)



Red (81%)

Yellow (0%)

Blue (6%)

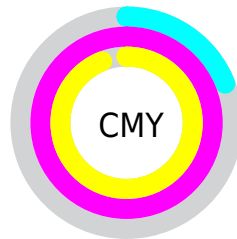


Cyan (0%)

Magenta (100%)

Yellow (93%)

Black (19%)



Cyan (19%)


Magenta (100%)


Yellow (94%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 25.5398, 13.1563, 1.6453 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 25.5398, 13.1563, 1.6453 by changing the saturation by 10% instead.

 25.5398, 13.1563,
1.6453


 25.5398, 13.1563,
1.6453


 272.8139,
211.9170, 116.6003


 16.6105, 7.5363,
0.3228


 51.9682, 31.5843,
8.0462


 10.0508, 3.7997,
0.0000


 70.1981, 45.1611,
14.0935


 5.4952, 1.5621,
0.0000

 92.2589, 62.1588,
22.5967

 2.5783, 0.3319,
0.0000

 118.5159, 82.9620,
33.9743


 0.9349, 0.0000,
0.0000


 149.3346,
107.9551, 48.6450


 0.0000, 0.0000,
0.0000


 185.0802,


137.5223, 67.0271


 226.1182,
172.0481, 89.5394


 25.5398, 13.1563,
1.6453


 25.5398, 13.1563,
1.6453


 25.5393, 13.1561,
1.6438

 26.0053, 13.7612,
2.8069

 26.9022, 14.9835,
4.8677

 28.3475, 17.0220,
7.9761

 30.4106, 19.9861,
12.2470

 33.1509, 23.9682,
17.7801

■ 36.6206, 29.0496,
24.6644

■ 40.8668, 35.3035,
32.9808

■ 45.9327, 42.7966,
42.8038

■ 51.8582, 51.5908,
54.2030

Harmonies

Analogous

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



29.7882, 13.1563, 10.1293



25.5398, 13.1563, 1.6453



18.0418, 13.1563, 0.0000

Triad

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



25.5398, 13.1563, 1.6453



4.0651, 13.1563, 4.4067



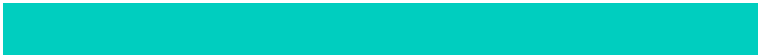
14.2143, 13.1563, 89.0705

Complementary

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



25.5398, 13.1563, 1.6453



31.4803, 47.9059, 56.9021

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.



8.2350, 13.1563, 80.9279



25.5398, 13.1563, 1.6453



3.6684, 13.1563, 19.5437

Square

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



25.5398, 13.1563, 1.6453



6.2697, 13.1563, 0.4046



4.8892, 13.1563, 49.7043



21.9100, 13.1563, 66.9480

Rectangle

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



25.5398, 13.1563, 1.6453



13.0870, 13.1563, 0.0000



4.8892, 13.1563, 49.7043



11.9398, 13.1563, 89.9747

Sweetspot

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



25.5401, 13.1571, 1.6455



65.9176, 56.7632, 52.8602



32.0866, 15.2550, 59.6453



13.4513, 11.1798, 10.0294



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.



25.5401, 13.1571, 1.6455



41.3535, 21.3054, 2.5276



28.7701, 19.7549, 2.2980



11.2448, 11.2267, 11.8239



15.7401, 8.1066, 1.0842



0.8238, 0.4229, 0.1180

Inverse Universe

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



25.5401, 13.1571, 1.6455



41.3535, 21.3054, 2.5276



17.8797, 17.9339, 60.9112



11.2448, 11.2267, 11.8239



15.7401, 8.1066, 1.0842



0.8238, 0.4229, 0.1180

Previews

White Background



This preview shows how the XYZ color 25.5398, 13.1563, 1.6453 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 25.5398, 13.1563, 1.6453

Background



This preview shows how black text looks on a background with the XYZ color 25.5398, 13.1563, 1.6453.



This preview shows how white text looks on a background with the XYZ color 25.5398, 13.1563,

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

25.5398, 13.1563, 1.6453

Protanopia

12.4273, 13.7234, 3.4327

Deuteranopia

13.8219, 13.7490, 1.9253



Tritanopia

25.4097, 13.4449, 1.2559

Trichromacy



Original Color

25.5398, 13.1563, 1.6453

Protanomaly

14.5291, 10.3606, 2.2113

Deuteranomaly

15.9055, 10.8351, 1.3966

Tritanomaly

25.3357, 13.2530, 1.3663

Monochromacy



Original Color

25.5398, 13.1563, 1.6453

Achromatopsia

4.7246, 4.9707, 5.4130

Achromatomaly

8.3222, 5.3597, 3.1807

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.5398, 13.1563, 1.6453 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(206, 0, 15)` looks like.

```
.text, #text, p{  
    color:rgb(206, 0, 15)  
}
```

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(206, 0, 15) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 0, 15) }
```

Border

The CSS property to change the border of an element to XYZ 25.5398, 13.1563, 1.6453 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(206, 0, 15) }
```


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

```
.border{ border-color:rgb(206, 0, 15) }
```

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

Here you see how a box with a 4 pixel rgb(206, 0, 15) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 0, 15); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 0, 15);  
box-shadow:4px 4px 4px 4px rgb(206, 0, 15)  
}
```

Background

The CSS property to change the background color of an element to XYZ 25.5398, 13.1563, 1.6453 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 0, 15) }
```

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

```
.background{ background-color: rgb(206, 0,  
15) }
```

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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