

Converting Colors

XYZ(25.0477, 12.8957, 1.9335)

Have a look what the booklet for
XYZ(25.0477, 12.8957, 1.9335)
contains.

XYZ(25.0467, 12.8953, 1.9280)	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(25.0467, 12.8953,
1.9280)**

Conversions

Conversions Part 1

Format	Color
Hex	CC0016
RGB	204, 0, 22
RGB Percent	80%, 0%, 9%
CMY	0.2000, 0.9998, 0.9137
CMYK	0.00, 1.00, 0.89, 0.20
HSL	354°, 100%, 40%
HSV	354°, 100%, 80%
XYZ	25.0467, 12.8953, 1.9280
YIQ	63.5040, 114.5220, 50.0900

Conversions

Conversions Part 2

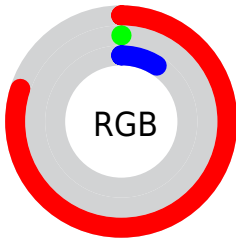
Format	Color
RYB	204, 0, 22
Decimal	13369366
CIELab	42.61, 67.95, 48.91
CIELCh	43, 83.725, 35.748
Yxy	12.8953, 0.6282, 0.3234
Android (android.graphics.Color)	4291559446 (0xFFCC0016)
YUV	63.5040, -20.4615, 123.2150
Hunter-Lab	35.9100, 61.6585, 21.9538

Details

The XYZ color **25.0467, 12.8953, 1.9280** 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 **30.0410, 46.5648, 51.6825**, and the grayscale version is **4.8201, 5.0711, 5.5224**.

A 20% lighter version of the original color is **45.5319, 28.1744, 8.5072**, and **10.8152, 5.5754, 0.5061** is the 20% darker color. If you saturate the color by 10%, you get **25.0462, 12.8951, 1.9261**, and if you desaturate by 10%, it is **25.5462, 13.5079, 3.2866**.

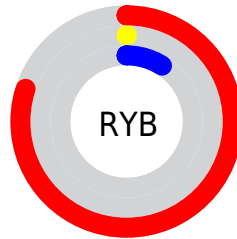
Distribution



Red (80%)

Green (0%)

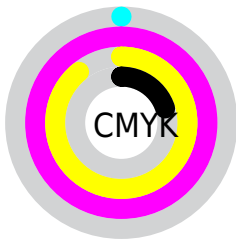
Blue (9%)



Red (80%)

Yellow (0%)

Blue (9%)

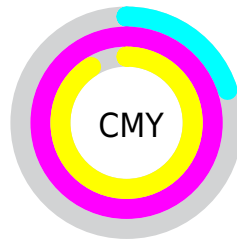


Cyan (0%)

Magenta (100%)

Yellow (89%)

Black (20%)



Cyan (20%)


Magenta (100%)


Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 25.0467, 12.8953, 1.9280 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 25.0467, 12.8953, 1.9280 by changing the saturation by 10% instead.


 25.0467, 12.8953,
1.9280


 25.0467, 12.8953,
1.9280


270.4138,
210.2456, 121.2486


 16.2408, 7.3565,
0.5105


 51.1753, 31.1156,
8.8430


 9.7866, 3.6860,
0.0000


 69.2287, 44.5658,
15.2450

 5.3189, 1.4995,
0.0000

 91.0953, 61.4220,
24.1681

 2.4722, 0.2884,
0.0000

 117.1405, 82.0685,
36.0308

 0.8813, 0.0000,
0.0000


 147.7295,
106.8897, 51.2517


 0.0000, 0.0000,
0.0000


 183.2279,


136.2700, 70.2492


 224.0008,
170.5938, 93.4420


 25.0467, 12.8953,
1.9280


 25.0467, 12.8953,
1.9280


 25.0462, 12.8951,
1.9261

 25.5462, 13.5079,
3.2866

 26.4633, 14.7219,
5.5045

 27.9092, 16.7310,
8.7079

 29.9492, 19.6408,
12.9950

 32.6388, 23.5409,
18.4519

■ 36.0274, 28.5098,
25.1559

■ 40.1593, 34.6182,
33.1777

■ 45.0752, 41.9308,
42.5828

■ 50.8130, 50.5075,
53.4322

Harmonies

Analogous

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



28.8207, 12.8953, 10.8271



25.0467, 12.8953, 1.9280



17.9748, 12.8953, 0.0000

Triad

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



25.0467, 12.8953, 1.9280



4.1646, 12.8953, 4.0303



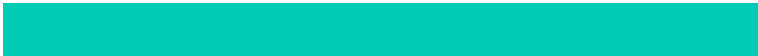
13.5182, 12.8953, 85.2668

Complementary

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



25.0467, 12.8953, 1.9280



30.0410, 46.5648, 51.6825

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.



7.9014, 12.8953, 75.9592



25.0467, 12.8953, 1.9280



3.6900, 12.8953, 17.8347

Square

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



25.0467, 12.8953, 1.9280



6.4263, 12.8953, 0.3850



4.7877, 12.8953, 45.8960



20.8443, 12.8953, 65.6874

Rectangle

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



25.0467, 12.8953, 1.9280



13.1825, 12.8953, 0.0000



4.7877, 12.8953, 45.8960



11.3751, 12.8953, 85.5315

Sweetspot

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



25.0470, 12.8961, 1.9282



66.2015, 56.8767, 54.3549



29.7695, 14.0884, 58.2767



13.5159, 11.2056, 10.3695



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.



25.0470, 12.8961, 1.9282



41.4431, 21.3413, 2.9997



27.6424, 18.3183, 2.0801



11.2606, 11.2330, 11.9070



15.7814, 8.1232, 1.3018



0.8311, 0.4259, 0.1567

Inverse Universe

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



25.0470, 12.8961, 1.9282



41.4431, 21.3413, 2.9997



18.3368, 19.2345, 59.8726



11.2606, 11.2330, 11.9070



15.7814, 8.1232, 1.3018



0.8311, 0.4259, 0.1567

Previews

White Background



This preview shows how the XYZ color 25.0467, 12.8953, 1.9280 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 25.0467, 12.8953, 1.9280

Background



This preview shows how black text looks on a background with the XYZ color 25.0467, 12.8953, 1.9280.



This preview shows how white text looks on a background with the XYZ color 25.0467, 12.8953,

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

25.0467, 12.8953, 1.9280

Protanopia

12.3035, 13.4985, 3.9645

Deuteranopia

13.5736, 13.4812, 1.8867



Tritanopia

24.8615, 13.1623, 1.2302

Trichromacy



Original Color

25.0467, 12.8953, 1.9280

Protanomaly

14.2553, 10.2093, 2.6581

Deuteranomaly

15.6711, 10.6309, 1.4557

Tritanomaly

24.8039, 12.9770, 1.4272

Monochromacy



Original Color

25.0467, 12.8953, 1.9280

Achromatopsia

4.8732, 5.1269, 5.5832

Achromatomaly

8.4175, 5.4525, 3.5145

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.0467, 12.8953, 1.9280 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, 22)` looks like.

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

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, 22) colored shadow looks like.

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

Border

The CSS property to change the border of an element to XYZ 25.0467, 12.8953, 1.9280 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, 22) }
```


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

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

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, 22) colored shadow looks like.

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

Background

The CSS property to change the background color of an element to XYZ 25.0467, 12.8953, 1.9280 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, 22) }
```

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

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

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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