

Converting Colors

XYZ(24.6949, 11.3002, 3.7863)

Have a look what the booklet for
XYZ(24.6949, 11.3002, 3.7863)
contains.

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Color

**XYZ(25.7312, 13.2009,
4.0976)**

Conversions

Conversions Part 1

Format	Color
Hex	CD0031
RGB	205, 0, 49
RGB Percent	80%, 0%, 19%
CMY	0.1961, 0.9998, 0.8078
CMYK	0.00, 1.00, 0.76, 0.20
HSL	346°, 100%, 40%
HSV	346°, 100%, 80%
XYZ	25.7312, 13.2009, 4.0976
YIQ	66.8810, 106.4510, 58.6990

Conversions

Conversions Part 2

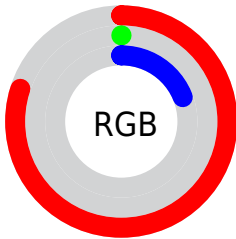
Format	Color
RYB	205, 0, 49
Decimal	13434929
CIELab	43.06, 68.86, 34.81
CIElCh	43, 77.164, 26.818
Yxy	13.2009, 0.5980, 0.3068
Android (android.graphics.Color)	4291625009 (0xFFCD0031)
YUV	66.8810, -8.8153, 121.1304
Hunter-Lab	36.3330, 62.8316, 18.7465

Details

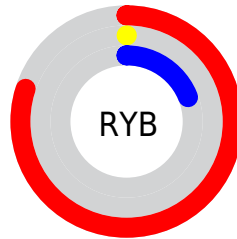
The XYZ color **25.7312, 13.2009, 4.0976** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **27.8361, 46.0643, 38.8957**, and the grayscale version is **5.3217, 5.5989, 6.0972**.

A 20% lighter version of the original color is **46.6333, 28.7418, 13.9163**, and **11.1827, 5.7617, 0.6663** is the 20% darker color. If you saturate the color by 10%, you get **25.7303, 13.2005, 4.0939**, and if you desaturate by 10%, it is **26.3792, 13.8758, 6.2290**.

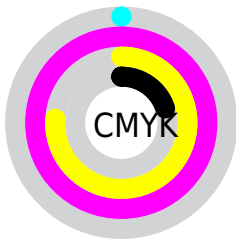
Distribution



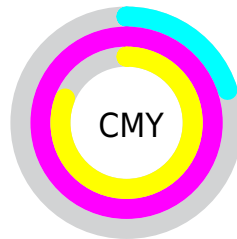
- Red (80%)
- Green (0%)
- Blue (19%)



- Red (80%)
- Yellow (0%)
- Blue (19%)



- Cyan (0%)
- Magenta (100%)
- Yellow (76%)
- Black (20%)





- Cyan (20%)
- Magenta (100%)
- Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.7312, 13.2009, 4.0976 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 25.7312, 13.2009, 4.0976 by changing the saturation by 10% instead.


 25.7312, 13.2009,
4.0976


 25.7312, 13.2009,
4.0976


273.7410,
212.2012, 149.3041


 16.7543, 7.5670,
1.6790


 52.2754, 31.6642,
14.2342

 10.1537, 3.8192,
0.3463


 70.5734, 45.2625,
22.7894

 5.5640, 1.5729,
0.0000

 92.7091, 62.2844,
34.2272

 2.6200, 0.3392,
0.0000

 119.0479, 83.1142,
48.9661

 0.9561, 0.0000,
0.0000

 149.9551,
108.1364, 67.4247

 0.0000, 0.0000,
0.0000

 185.7961,

137.7354, 90.0215

226.9363,
172.2955, 117.1752

■ 25.7312, 13.2009,
4.0976

■ 25.7312, 13.2009,
4.0976

■ 25.7303, 13.2005,
4.0939

■ 26.3792, 13.8758,
6.2290

■ 27.4267, 15.1502,
9.1083

■ 28.9771, 17.2159,
12.8163

■ 31.0893, 20.1770,
17.4145

■ 33.8135, 24.1217,
22.9582

■ 37.1942, 29.1274,
29.4977

■ 41.2717, 35.2639,
37.0799

■ 46.0829, 42.5947,
45.7485

■ 51.6622, 51.1790,
55.5446

Harmonies

Analogous

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



27.7333, 13.2009, 16.2647



25.7312, 13.2009, 4.0976



19.8842, 13.2009, 0.6759

Triad

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



25.7312, 13.2009, 4.0976



5.2160, 13.2009, 2.8819



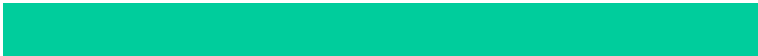
11.9243, 13.2009, 77.9033

Complementary

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



25.7312, 13.2009, 4.0976



27.8361, 46.0643, 38.8957

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.



7.2815, 13.2009, 62.7274



25.7312, 13.2009, 4.0976



4.2554, 13.2009, 12.6350

Square

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



25.7312, 13.2009, 4.0976



8.0717, 13.2009, 0.3764



4.8711, 13.2009, 34.7280



18.4301, 13.2009, 67.6969

Rectangle

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



25.7312, 13.2009, 4.0976



15.3328, 13.2009, 0.0000



4.8711, 13.2009, 34.7280



10.1210, 13.2009, 75.4289

Sweetspot

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



25.7315, 13.2017, 4.0978



67.3121, 57.3210, 60.2034



24.3007, 11.2552, 58.6488



13.7708, 11.3076, 11.7117



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.



25.7315, 13.2017, 4.0978



42.0799, 21.5960, 6.3528



26.3731, 15.3716, 1.5783



11.3203, 11.2569, 12.2215



16.0496, 8.2304, 2.7140



0.8586, 0.4369, 0.3014

Inverse Universe

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



25.7315, 13.2017, 4.0978



42.0799, 21.5960, 6.3528



22.5360, 27.4402, 61.8658



11.3203, 11.2569, 12.2215



16.0496, 8.2304, 2.7140



0.8586, 0.4369, 0.3014

Previews

White Background



This preview shows how the XYZ color 25.7312, 13.2009, 4.0976 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 25.7312, 13.2009, 4.0976

Background



This preview shows how black text looks on a background with the XYZ color 25.7312, 13.2009, 4.0976.



This preview shows how white text looks on a background with the XYZ color 25.7312, 13.2009,

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

25.7312, 13.2009, 4.0976

Protanopia

12.8684, 13.8398, 8.4717

Deuteranopia

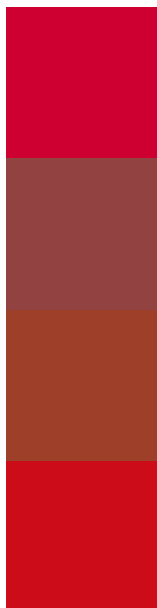
14.0017, 13.8031, 3.6766



Tritanopia

25.2184, 13.3642, 1.5982

Trichromacy



Original Color

25.7312, 13.2009, 4.0976

Protanomaly

14.7564, 10.3891, 6.2286

Deuteranomaly

16.0824, 10.8832, 3.3509

Tritanomaly

25.2212, 13.1954, 2.1374

Monochromacy



Original Color

25.7312, 13.2009, 4.0976

Achromatopsia

5.3350, 5.6128, 6.1124

Achromatomaly

9.0156, 5.8359, 4.9262

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.7312, 13.2009, 4.0976 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(205, 0, 49)` looks like.

```
.text, #text, p{  
    color:rgb(205, 0, 49)  
}
```

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(205, 0, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 0, 49) }
```

Border

The CSS property to change the border of an element to XYZ 25.7312, 13.2009, 4.0976 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(205, 0, 49) }
```


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

```
.border{ border-color:rgb(205, 0, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 0, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 0, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 0, 49);  
box-shadow:4px 4px 4px 4px rgb(205, 0, 49)  
}
```

Background

The CSS property to change the background color of an element to XYZ 25.7312, 13.2009, 4.0976 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 0, 49) }
```

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

```
.background{ background-color: rgb(205, 0,  
49) }
```

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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