

Converting Colors

XYZ(24.7946, 12.7684, 1.7775)

Have a look what the booklet for
XYZ(24.7946, 12.7684, 1.7775)
contains.

XYZ(24.7461, 12.7435, 1.7716)	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(24.7461, 12.7435,
1.7716)**

Conversions

Conversions Part 1

Format	Color
Hex	CB0013
RGB	203, 0, 19
RGB Percent	80%, 0%, 7%
CMY	0.2039, 0.9998, 0.9255
CMYK	0.00, 1.00, 0.91, 0.20
HSL	354°, 100%, 40%
HSV	354°, 100%, 80%
XYZ	24.7461, 12.7435, 1.7716
YIQ	62.8630, 114.8890, 48.9450

Conversions

Conversions Part 2

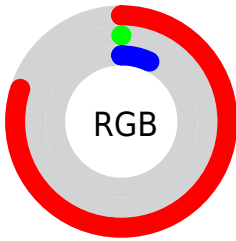
Format	Color
RYB	203, 0, 19
Decimal	13303827
CIELab	42.37, 67.66, 49.97
CIElCh	42, 84.108, 36.446
Yxy	12.7435, 0.6303, 0.3246
Android (android.graphics.Color)	4291493907 (0xFFCB0013)
YUV	62.8630, -21.6245, 122.9001
Hunter-Lab	35.6980, 61.2657, 22.0462

Details

The XYZ color **24.7461, 12.7435, 1.7716** 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 **30.0122, 46.1741, 52.7002**, and the grayscale version is **4.7268, 4.9729, 5.4155**.

A 20% lighter version of the original color is **45.4719, 28.1503, 8.1912**, and **10.6475, 5.4890, 0.4983** is the 20% darker color. If you saturate the color by 10%, you get **24.7456, 12.7433, 1.7699**, and if you desaturate by 10%, it is **25.2249, 13.3450, 3.0301**.

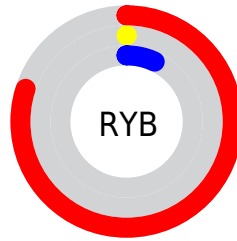
Distribution



Red (80%)

Green (0%)

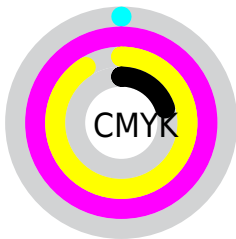
Blue (7%)



Red (80%)

Yellow (0%)

Blue (7%)

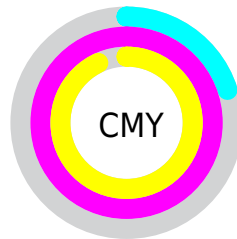


Cyan (0%)

Magenta (100%)

Yellow (91%)

Black (20%)



Cyan (20%)


Magenta (100%)


Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.7461, 12.7435, 1.7716 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 24.7461, 12.7435, 1.7716 by changing the saturation by 10% instead.


 24.7461, 12.7435,
1.7716


 24.7461, 12.7435,
1.7716


268.9422,
209.2672, 118.7229


 16.0157, 7.2522,
0.4091


 50.6909, 30.8422,
8.4064


 9.6262, 3.6203,
0.0000


 68.6360, 44.2183,
14.6156

 5.2122, 1.4635,
0.0000

 90.3834, 60.9915,
23.3106

 2.4083, 0.2628,
0.0000

 116.2984, 81.5462,
34.9100


 0.8493, 0.0000,
0.0000


 146.7465,
106.2667, 49.8325


 0.0000, 0.0000,
0.0000


 182.0929,


135.5374, 68.4964


 222.7030,
169.7428, 91.3203


 24.7461, 12.7435,
1.7716


 24.7461, 12.7435,
1.7716


 24.7456, 12.7433,
1.7699

 25.2249, 13.3450,
3.0301

 26.1181, 14.5413,
5.1470

 27.5372, 16.5250,
8.2543

 29.5476, 19.4008,
12.4543

 32.2051, 23.2574,
17.8362

■ 35.5591, 28.1729,
24.4803

■ 39.6540, 34.2172,
32.4596

■ 44.5307, 41.4545,
41.8417

■ 50.2269, 49.9441,
52.6894

Harmonies

Analogous

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



28.6351, 12.7435, 10.3250



24.7461, 12.7435, 1.7716



17.6435, 12.7435, 0.0000

Triad

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



24.7461, 12.7435, 1.7716



4.0412, 12.7435, 4.0998



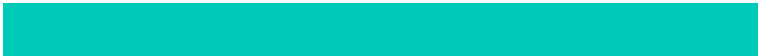
13.5278, 12.7435, 85.0926

Complementary

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



24.7461, 12.7435, 1.7716



30.0122, 46.1741, 52.7002

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.



7.8779, 12.7435, 76.4307



24.7461, 12.7435, 1.7716



3.6078, 12.7435, 18.1588

Square

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



24.7461, 12.7435, 1.7716



6.2345, 12.7435, 0.3776



4.7333, 12.7435, 46.4985



20.8560, 12.7435, 64.8855

Rectangle

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



24.7461, 12.7435, 1.7716



12.8810, 12.7435, 0.0000



4.7333, 12.7435, 46.4985



11.3749, 12.7435, 85.6063

Sweetspot

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



24.7464, 12.7443, 1.7718



66.0854, 56.8303, 53.7436



30.2378, 14.3436, 57.6742



13.4895, 11.1950, 10.2303



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.



24.7464, 12.7443, 1.7718



41.4030, 21.3252, 2.7884



27.5878, 18.6148, 2.1402



11.2542, 11.2304, 11.8731



15.7632, 8.1159, 1.2059



0.8282, 0.4247, 0.1409

Inverse Universe

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



24.7464, 12.7443, 1.7718



41.4030, 21.3252, 2.7884



17.7169, 18.1860, 59.0758



11.2542, 11.2304, 11.8731



15.7632, 8.1159, 1.2059



0.8282, 0.4247, 0.1409

Previews

White Background



This preview shows how the XYZ color 24.7461, 12.7435, 1.7716 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 24.7461, 12.7435, 1.7716

Background



This preview shows how black text looks on a background with the XYZ color 24.7461, 12.7435, 1.7716.



This preview shows how white text looks on a background with the XYZ color 24.7461, 12.7435,

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

24.7461, 12.7435, 1.7716

Protanopia

12.2544, 13.4789, 3.7061

Deuteranopia

13.3280, 13.2165, 1.8486



Tritanopia

24.5900, 13.0223, 1.2175

Trichromacy



Original Color

24.7461, 12.7435, 1.7716

Protanomaly

14.2152, 10.1932, 2.4466

Deuteranomaly

15.4713, 10.5285, 1.4178

Tritanomaly

24.5269, 12.8348, 1.3857

Monochromacy



Original Color

24.7461, 12.7435, 1.7716

Achromatopsia

4.7246, 4.9707, 5.4130

Achromatomaly

8.2113, 5.3002, 3.2796

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.7461, 12.7435, 1.7716 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(203, 0, 19)` looks like.

```
.text, #text, p{  
    color:rgb(203, 0, 19)  
}
```

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(203, 0, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 0, 19) }
```

Border

The CSS property to change the border of an element to XYZ 24.7461, 12.7435, 1.7716 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(203, 0, 19) }
```


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

```
.border{ border-color:rgb(203, 0, 19) }
```

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

Here you see how a box with a 4 pixel rgb(203, 0, 19) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 0, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 0, 19);  
box-shadow:4px 4px 4px 4px rgb(203, 0, 19)  
}
```

Background

The CSS property to change the background color of an element to XYZ 24.7461, 12.7435, 1.7716 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 0, 19) }
```

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

```
.background{ background-color: rgb(203, 0,  
19) }
```

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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor