

Converting Colors

XYZ(25.0234, 17.2250, 2.0059)

Have a look what the booklet for
XYZ(25.0234, 17.2250, 2.0059)
contains.

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Color

**XYZ(24.9347, 17.2223,
2.0100)**

Conversions

Conversions Part 1

Format	Color
Hex	C15100
RGB	193, 81, 0
RGB Percent	76%, 32%, 0%
CMY	0.2431, 0.6823, 1.0000
CMYK	0.00, 0.58, 1.00, 0.24
HSL	25°, 100%, 38%
HSV	25°, 100%, 76%
XYZ	24.9347, 17.2223, 2.0100
YIQ	105.2540, 92.7530, -1.4470

Conversions

Conversions Part 2

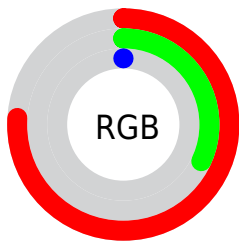
Format	Color
R_{YB}	193, 140, 0
Decimal	12669184
CIE _{Lab}	48.54, 41.90, 58.42
CIE _{LCh}	49, 71.886, 54.353
Yxy	17.2223, 0.5646, 0.3899
Android (android.graphics.Color)	4290859264 (0xFFC15100)
YUV	105.2540, -51.8902, 76.9532
Hunter-Lab	41.4998, 34.6253, 26.1782

Details

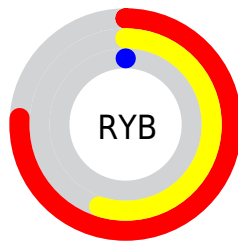
The XYZ color **24.9347, 17.2223, 2.0100** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed red. A complement of this color would be **15.4191, 15.4374, 52.6186**, and the grayscale version is **13.6158, 14.3249, 15.5998**.

A 20% lighter version of the original color is **50.4431, 38.3613, 9.0208**, and **9.7753, 5.6558, 0.5765** is the 20% darker color. If you saturate the color by 10%, you get **24.9349, 17.2230, 2.0102**, and if you desaturate by 10%, it is **25.9573, 19.0755, 2.9436**.

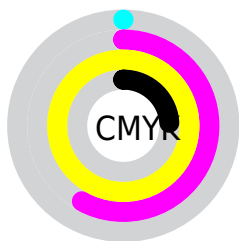
Distribution



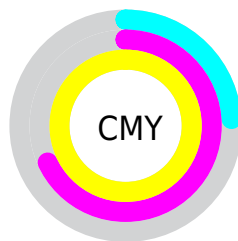
- Red (76%)
- Green (32%)
- Blue (0%)



- Red (76%)
- Yellow (55%)
- Blue (0%)



- Cyan (0%)
- Magenta (58%)
- Yellow (100%)
- Black (24%)





- Cyan (24%)
- Magenta (68%)
- Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 24.9347, 17.2223, 2.0100 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 24.9347, 17.2223, 2.0100 by changing the saturation by 10% instead.


 24.9347, 17.2223,
2.0100


 24.9347, 17.2223,
2.0100


 269.8662,
236.4502, 122.5319


 16.1569, 10.3931,
0.5614


 50.9949, 38.7076,
9.0681


 9.7268, 5.6604,
0.0000


 69.0080, 54.1325,
15.5682

 5.2791, 2.6397,
0.0000


 90.8303, 73.1914,
24.6071

 2.4483, 0.9467,
0.0000

 116.8271, 96.2687,
36.6033


 0.8693, 0.0000,
0.0000


 147.3637,
123.7489, 51.9753


 0.0000, 0.0000,
0.0000


 182.8055,


156.0163, 71.1417


 223.5179,
193.4552, 94.5211


 24.9347, 17.2223,
2.0100

 24.9347, 17.2223,
2.0100


 24.9349, 17.2230,
2.0102

 25.9573, 19.0755,
2.9436

 27.2425, 21.2626,
4.5534

 28.8391, 23.8135,
7.0665

 30.7747, 26.7478,
10.5995

 33.0728, 30.0836,
15.2516

■ 35.7548, 33.8373,
21.1095

■ 38.8400, 38.0245,
28.2518

■ 42.3462, 42.6595,
36.7499

■ 46.2903, 47.7563,
46.6703

Harmonies

Analogous

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



30.8655, 17.2223, 7.4036



24.9347, 17.2223, 2.0100



17.6501, 17.2223, 0.8495

Triad

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



24.9347, 17.2223, 2.0100



6.7099, 17.2223, 15.3983



22.1794, 17.2223, 75.1716

Complementary

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



24.9347, 17.2223, 2.0100



15.4191, 15.4374, 52.6186

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.



15.1520, 17.2223, 83.1535



24.9347, 17.2223, 2.0100



7.3164, 17.2223, 38.0851

Square

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



24.9347, 17.2223, 2.0100



8.0710, 17.2223, 4.5452



10.0315, 17.2223, 66.5029



28.9985, 17.2223, 48.9083

Rectangle

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



24.9347, 17.2223, 2.0100



13.4208, 17.2223, 0.9820



10.0315, 17.2223, 66.5029



19.7208, 17.2223, 80.5946

Sweetspot

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



24.9351, 17.2233, 2.0103



69.2864, 67.7317, 49.9431



24.9494, 12.5203, 16.6019



14.3444, 13.8298, 9.4966



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



24.9351, 17.2233, 2.0103



44.4287, 30.3859, 3.5234



37.6977, 42.7485, 6.2645



10.4128, 10.7571, 10.5894



16.6602, 11.6062, 1.3621



0.7879, 0.6376, 0.0815

Inverse Universe

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



15.4191, 15.4374, 52.6186



27.3669, 27.1503, 94.1584



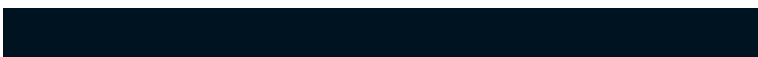
9.8121, 4.2234, 50.7496



10.0028, 10.6970, 12.8223



10.3361, 10.4286, 35.0248



0.5135, 0.5844, 1.5356

Previews

White Background



This preview shows how the XYZ color 24.9347, 17.2223, 2.0100 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



This preview shows how the XYZ color 24.9347, 17.2223, 2.0100 looks on a 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 24.9347, 17.2223, 2.0100

Background



This preview shows how black text looks on a background with the XYZ color 24.9347, 17.2223, 2.0100.



This preview shows how white text looks on a background with the XYZ color 24.9347, 17.2223,

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

24.9347, 17.2223, 2.0100

Protanopia

15.7230, 17.3631, 3.1388

Deuteranopia

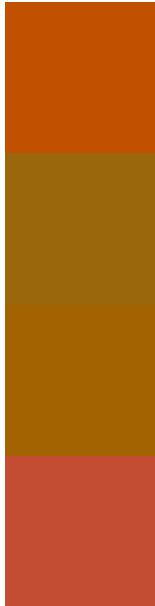
17.4300, 17.2629, 2.4134



Tritanopia

26.4697, 17.2134, 9.5168

Trichromacy



Original Color

24.9347, 17.2223, 2.0100

Protanomaly

18.2430, 16.5971, 2.5899

Deuteranomaly

19.5661, 16.7102, 2.1941

Tritanomaly

25.4996, 17.0161, 5.0724

Monochromacy



Original Color

24.9347, 17.2223, 2.0100

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

15.5125, 14.0894, 7.2121

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.9347, 17.2223, 2.0100 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(193, 81, 0)` looks like.

```
.text, #text, p{  
    color:rgb(193, 81, 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(193, 81, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 81, 0) }
```

Border

The CSS property to change the border of an element to XYZ 24.9347, 17.2223, 2.0100 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(193, 81, 0) }
```


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

```
.border{ border-color:rgb(193, 81, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 81, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 81, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 81, 0);  
box-shadow:4px 4px 4px 4px rgb(193, 81, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 24.9347, 17.2223, 2.0100 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 81, 0) }
```

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

```
.background{ background-color: rgb(193, 81,  
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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