

Converting Colors

XYZ(24.2372, 15.4477, 1.7043)

Have a look what the booklet for
XYZ(24.2372, 15.4477, 1.7043)
contains.

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Color

**XYZ(24.2553, 15.4836,
1.7102)**

Conversions

Conversions Part 1

Format	Color
Hex	C24300
RGB	194, 67, 0
RGB Percent	76%, 26%, 0%
CMY	0.2392, 0.7372, 1.0000
CMYK	0.00, 0.65, 1.00, 0.24
HSL	21°, 100%, 38%
HSV	21°, 100%, 76%
XYZ	24.2553, 15.4836, 1.7102
YIQ	97.3350, 97.1990, 6.0870

Conversions

Conversions Part 2

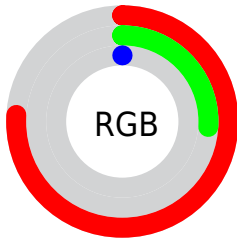
Format	Color
R_{YB}	194, 102, 0
Decimal	12731136
CIE _{Lab}	46.29, 48.66, 57.31
CIE _{LCh}	46, 75.178, 49.668
Yxy	15.4836, 0.5852, 0.3736
Android (android.graphics.Color)	4290921216 (0xFFC24300)
YUV	97.3350, -47.9862, 84.7752
Hunter-Lab	39.3492, 41.1683, 24.9676

Details

The XYZ color **24.2553, 15.4836, 1.7102** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark washed red. A complement of this color would be **17.3261, 19.0720, 53.8067**, and the grayscale version is **11.5434, 12.1446, 13.2254**.

A 20% lighter version of the original color is **48.8411, 35.2402, 8.2308**, and **9.5157, 4.9055, 0.4453** is the 20% darker color. If you saturate the color by 10%, you get **24.2556, 15.4844, 1.7104**, and if you desaturate by 10%, it is **25.2163, 17.2122, 2.6275**.

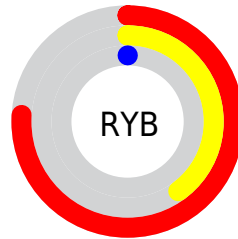
Distribution



Red (76%)

Green (26%)

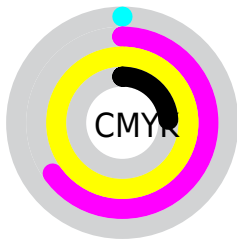
Blue (0%)



Red (76%)

Yellow (40%)

Blue (0%)

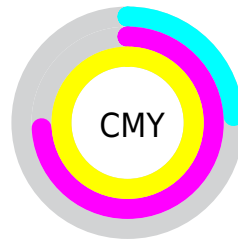


Cyan (0%)

Magenta (65%)

Yellow (100%)

Black (24%)



Cyan (24%)


Magenta (74%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 24.2553, 15.4836, 1.7102 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 24.2553, 15.4836, 1.7102 by changing the saturation by 10% instead.


 24.2553, 15.4836,
1.7102


 24.2553, 15.4836,
1.7102


 266.5252,
226.2750, 117.7009


 15.6489, 9.1595,
0.3677


 49.8981, 35.6994,
8.2322


 9.3653, 4.8454,
0.0000


 67.6653, 50.3598,
14.3634


 5.0392, 2.1568,
0.0000

 89.2167, 68.5678,
22.9661

 2.3053, 0.6963,
0.0000

 114.9177, 90.7077,
34.4588


 0.7974, 0.0000,
0.0000


 145.1337,
117.1640, 49.2601


 0.0000, 0.0000,
0.0000


 180.2301,


148.3211, 67.7885


 220.5721,
184.5632, 90.4626


 24.2553, 15.4836,
1.7102


 24.2553, 15.4836,
1.7102

 24.2556, 15.4844,
1.7104

 25.2163, 17.2122,
2.6275

 26.4734, 19.3393,
4.2398

 28.0792, 21.9015,
6.7774

 30.0644, 24.9246,
10.3594

 32.4556, 28.4321,
15.0869

■ 35.2768, 32.4456,
21.0490

■ 38.5500, 36.9855,
28.3257

■ 42.2953, 42.0706,
36.9902

■ 46.5319, 47.7191,
47.1105

Harmonies

Analogous

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



29.6968, 15.4836, 7.5300



24.2553, 15.4836, 1.7102



17.0471, 15.4836, 0.4090

Triad

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



24.2553, 15.4836, 1.7102



5.5975, 15.4836, 11.2729



19.2818, 15.4836, 77.0027

Complementary

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



24.2553, 15.4836, 1.7102



17.3261, 19.0720, 53.8067

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.



12.6090, 15.4836, 81.1817



24.2553, 15.4836, 1.7102



5.8753, 15.4836, 31.8029

Square

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



24.2553, 15.4836, 1.7102



7.1613, 15.4836, 2.7584



8.0780, 15.4836, 60.8117



26.2951, 15.4836, 51.7228

Rectangle

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



24.2553, 15.4836, 1.7102



12.7367, 15.4836, 0.3984



8.0780, 15.4836, 60.8117



16.8919, 15.4836, 81.3851

Sweetspot

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



24.2556, 15.4845, 1.7104



69.5416, 66.5947, 50.6350



26.2327, 13.0632, 22.0241



14.6516, 13.7871, 9.7920



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.



24.2556, 15.4845, 1.7104



43.7321, 27.6276, 3.0277



35.1097, 37.1926, 5.3285



10.3513, 10.6341, 10.5689



16.0170, 10.3197, 1.1477



0.7569, 0.5756, 0.0712

Inverse Universe

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



17.3261, 19.0720, 53.8067



31.1432, 34.0590, 97.4024



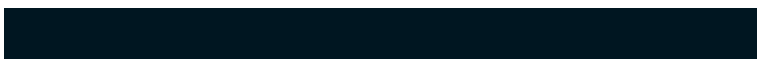
10.2631, 4.9462, 51.4524



10.0662, 10.8237, 12.8435



11.4703, 12.6971, 35.4028



0.5578, 0.6731, 1.5504

Previews

White Background



This preview shows how the XYZ color 24.2553, 15.4836, 1.7102 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 24.2553, 15.4836, 1.7102 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 24.2553, 15.4836, 1.7102

Background



This preview shows how black text looks on a background with the XYZ color 24.2553, 15.4836, 1.7102.



This preview shows how white text looks on a background with the XYZ color 24.2553, 15.4836,

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

24.2553, 15.4836, 1.7102

Protanopia

14.1229, 15.7045, 2.9487

Deuteranopia

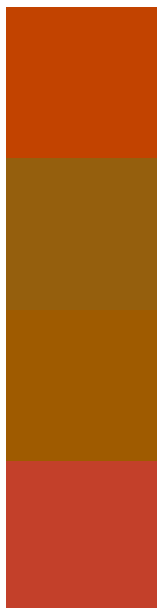
15.6990, 15.5921, 2.1822



Tritanopia

25.2117, 15.4407, 6.8058

Trichromacy



Original Color

24.2553, 15.4836, 1.7102

Protanomaly

16.5593, 14.6030, 2.3267

Deuteranomaly

18.0392, 14.8531, 1.9162

Tritanomaly

24.7570, 15.4361, 3.8651

Monochromacy



Original Color

24.2553, 15.4836, 1.7102

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

13.7130, 11.9089, 6.1333

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.2553, 15.4836, 1.7102 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(194, 67, 0)` looks like.

```
.text, #text, p{  
    color:rgb(194, 67, 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(194, 67, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 67, 0) }
```

Border

The CSS property to change the border of an element to XYZ 24.2553, 15.4836, 1.7102 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(194, 67, 0) }
```


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

```
.border{ border-color:rgb(194, 67, 0) }
```

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

Here you see how a box with a 4 pixel rgb(194, 67, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 67, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 67, 0);  
box-shadow:4px 4px 4px 4px rgb(194, 67, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 24.2553, 15.4836, 1.7102 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 67, 0) }
```

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

```
.background{ background-color: rgb(194, 67,  
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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