

Converting Colors

XYZ(24.4418, 13.3326, 1.9296)

Have a look what the booklet for
XYZ(24.4418, 13.3326, 1.9296)
contains.

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Color

**XYZ(24.4622, 13.3629,
1.9518)**

Conversions

Conversions Part 1

Format	Color
Hex	C82014
RGB	200, 32, 20
RGB Percent	78%, 13%, 8%
CMY	0.2157, 0.8744, 0.9216
CMYK	0.00, 0.84, 0.90, 0.22
HSL	4°, 82%, 43%
HSV	4°, 90%, 78%
XYZ	24.4622, 13.3629, 1.9518
YIQ	80.8640, 103.9800, 31.8840

Conversions

Conversions Part 2

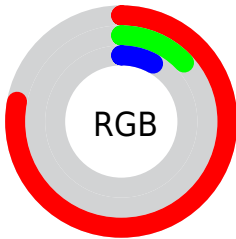
Format	Color
R_{YB}	200, 33, 20
Decimal	13115412
CIE _{Lab}	43.31, 62.42, 49.91
CIE _{LCh}	43, 79.919, 38.644
Yxy	13.3629, 0.6150, 0.3359
Android (android.graphics.Color)	4291305492 (0xFFC82014)
YUV	80.8640, -30.0060, 104.4823
Hunter-Lab	36.5553, 55.4775, 22.4230

Details

The XYZ color **24.4622, 13.3629, 1.9518** 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 **28.6932, 40.2777, 60.9052**, and the grayscale version is **7.8388, 8.2470, 8.9810**.

A 20% lighter version of the original color is **46.4360, 30.0310, 8.6593**, and **10.1533, 5.2342, 0.4752** is the 20% darker color. If you saturate the color by 10%, you get **23.9677, 12.5762, 1.1642**, and if you desaturate by 10%, it is **25.3722, 14.7724, 3.5216**.

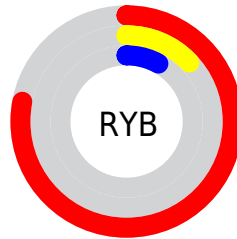
Distribution



Red (78%)

Green (13%)

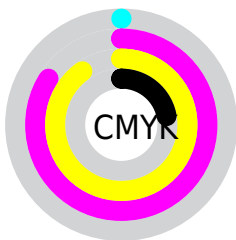
Blue (8%)



Red (78%)

Yellow (13%)

Blue (8%)

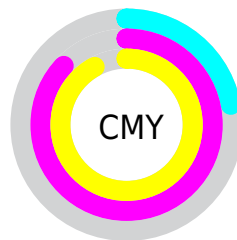


Cyan (0%)

Magenta (84%)

Yellow (90%)

Black (22%)



Cyan (22%)


Magenta (87%)


Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.4622, 13.3629, 1.9518 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 24.4622, 13.3629, 1.9518 by changing the saturation by 10% instead.


 24.4622, 13.3629,
1.9518


 24.4622, 13.3629,
1.9518


267.5463,
213.2305, 121.6238


 15.8034, 7.6789,
0.5254


 50.2326, 31.9542,
8.9086

 9.4751, 3.8902,
0.0000


 68.0749, 45.6304,
15.3393


 5.1119, 1.6123,
0.0000

 89.7092, 62.7393,
24.2963

 2.3485, 0.3659,
0.0000

 115.5007, 83.6655,
36.1980


 0.8193, 0.0000,
0.0000


 145.8148,
108.7933, 51.4631


 0.0000, 0.0000,
0.0000


 181.0168,


138.5072, 70.5101


 221.4722,
173.1915, 93.7574


 24.4622, 13.3629,
1.9518


 24.4622, 13.3629,
1.9518


 23.9677, 12.5762,
1.1642


 25.3722, 14.7724,
3.5216

 23.9677, 12.5762,
1.1642

 26.7844, 16.9046,
6.1262

 28.7579, 19.8398,
9.9032

 31.3435, 23.6474,
14.9691

 34.5863, 28.3891,
21.4261

■ 38.5270, 34.1210,
29.3664

■ 43.2031, 40.8948,
38.8741

■ 48.6495, 48.7587,
50.0273

■ 54.8988, 57.7579,
62.8984

Harmonies

Analogous

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



28.4936, 13.3629, 10.0012



24.4622, 13.3629, 1.9518



17.5519, 13.3629, 0.0163

Triad

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



24.4622, 13.3629, 1.9518



4.5233, 13.3629, 5.3266



14.5768, 13.3629, 81.0560

Complementary

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



24.4622, 13.3629, 1.9518



28.6932, 40.2777, 60.9052

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.



8.8380, 13.3629, 75.0658



24.4622, 13.3629, 1.9518



4.1889, 13.3629, 20.3032

Square

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



24.4622, 13.3629, 1.9518



6.6198, 13.3629, 0.8560



5.4838, 13.3629, 47.9458



21.6871, 13.3629, 60.7737

Rectangle

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



24.4622, 13.3629, 1.9518



12.9851, 13.3629, 0.0000



5.4838, 13.3629, 47.9458



12.4212, 13.3629, 82.2495

Sweetspot

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



24.4625, 13.3637, 1.9520



68.6945, 61.9627, 54.8774



33.1464, 16.4104, 48.9971



14.1429, 12.4492, 10.6102



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.



24.4625, 13.3637, 1.9520



41.4408, 21.6616, 1.9969



30.9050, 26.2488, 4.0995



10.6898, 10.7487, 11.0741



15.2637, 8.0446, 0.7483



0.7430, 0.4214, 0.0422

Inverse Universe

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



28.6932, 40.2777, 60.9052



48.6175, 68.3550, 105.2392



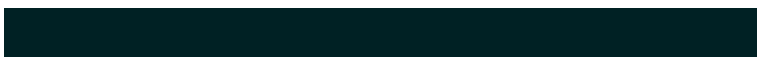
15.0814, 13.0542, 56.3680



10.8838, 11.9416, 13.6488



17.9065, 25.2070, 38.6660



0.8666, 1.2309, 1.8371

Previews

White Background



This preview shows how the XYZ color 24.4622, 13.3629, 1.9518 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 24.4622, 13.3629, 1.9518

Background



This preview shows how black text looks on a background with the XYZ color 24.4622, 13.3629, 1.9518.



This preview shows how white text looks on a background with the XYZ color 24.4622, 13.3629,

1.9518.

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

24.4622, 13.3629, 1.9518

Protanopia

12.4712, 13.7410, 3.6640

Deuteranopia

13.7278, 13.5607, 1.8939



Tritanopia

24.5312, 13.3480, 2.4459

Trichromacy



Original Color

24.4622, 13.3629, 1.9518

Protanomaly

14.9914, 11.7456, 2.7053

Deuteranomaly

16.1974, 11.9808, 1.6598

Tritanomaly

24.4959, 13.3339, 2.2599

Monochromacy



Original Color

24.4622, 13.3629, 1.9518

Achromatopsia

7.8210, 8.2283, 8.9606

Achromatomaly

10.8791, 8.1559, 5.1385

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.4622, 13.3629, 1.9518 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(200, 32, 20)` looks like.

```
.text, #text, p{  
    color:rgb(200, 32, 20)  
}
```

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(200, 32, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 32, 20) }
```

Border

The CSS property to change the border of an element to XYZ 24.4622, 13.3629, 1.9518 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(200, 32, 20) }
```


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

```
.border{ border-color:rgb(200, 32, 20) }
```

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

Here you see how a box with a 4 pixel rgb(200, 32, 20) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 32, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 32, 20);  
box-shadow:4px 4px 4px 4px rgb(200, 32,  
20) }
```

Background

The CSS property to change the background color of an element to XYZ 24.4622, 13.3629, 1.9518 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 32, 20) }
```

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

```
.background{ background-color: rgb(200, 32,  
20) }
```

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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