

Converting Colors

XYZ(18.6891, 12.5525, 4.2342)

Have a look what the booklet for
XYZ(18.6891, 12.5525, 4.2342)
contains.

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Color

**XYZ(18.6891, 12.5525,
4.2342)**

Conversions

Conversions Part 1

Format	Color
Hex	A84330
RGB	168, 67, 48
RGB Percent	66%, 26%, 19%
CMY	0.3412, 0.7372, 0.8118
CMYK	0.00, 0.60, 0.71, 0.34
HSL	10°, 56%, 42%
HSV	10°, 71%, 66%
XYZ	18.6891, 12.5525, 4.2342
YIQ	95.0330, 66.2950, 15.5030

Conversions

Conversions Part 2

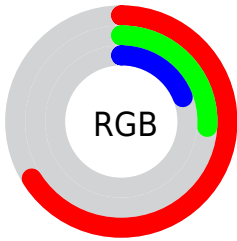
Format	Color
RYB	168, 71, 48
Decimal	11027248
CIELab	42.08, 40.40, 32.38
CIELCh	42, 51.776, 38.712
Yxy	12.5525, 0.5268, 0.3538
Android (android.graphics.Color)	4289217328 (0xFFA84330)
YUV	95.0330, -23.1873, 63.9921
Hunter-Lab	35.4295, 32.1573, 17.7149

Details

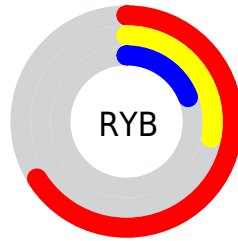
The XYZ color **18.6891, 12.5525, 4.2342** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **19.0335, 24.9488, 40.8580**, and the grayscale version is **10.9283, 11.4974, 12.5207**.

A 20% lighter version of the original color is **40.6573, 30.5139, 14.5734**, and **6.5610, 3.5587, 0.3985** is the 20% darker color. If you saturate the color by 10%, you get **17.6654, 10.9588, 2.4945**, and if you desaturate by 10%, it is **20.0500, 14.6106, 6.7343**.

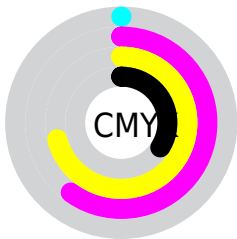
Distribution



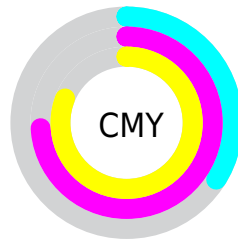
- Red (66%)
- Green (26%)
- Blue (19%)



- Red (66%)
- Yellow (28%)
- Blue (19%)



- Cyan (0%)
- Magenta (60%)
- Yellow (71%)
- Black (34%)





- Cyan (34%)
- Magenta (74%)
- Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.6891, 12.5525, 4.2342 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 18.6891, 12.5525, 4.2342 by changing the saturation by 10% instead.


 18.6891, 12.5525,
4.2342


 18.6891, 12.5525,
4.2342


237.6982,
208.0294, 150.7940


 11.5485, 7.1211,
1.7547


 40.7290, 30.4975,
14.5464


 6.5070, 3.5380,
0.3978


 56.3591, 43.7798,
23.2161


 3.1993, 1.4186,
0.0000

 75.5497, 60.4480,
34.7864

 1.2600, 0.2304,
0.0000

 98.6662, 80.8863,
49.6757

 0.1530, 0.0000,
0.0000

 126.0739,
105.4793, 68.3025

 0.0000, 0.0000,
0.0000

 158.1383,

134.6112, 91.0855

195.2246,
168.6664, 118.4431

■ 18.6891, 12.5525,
4.2342

■ 18.6891, 12.5525,
4.2342

■ 17.6654, 10.9588,
2.4945

■ 20.0500, 14.6106,
6.7343

■ 16.9470, 9.7908,
1.4265

■ 21.7741, 17.1637,
10.0686

■ 16.5313, 9.0907,
0.8834

■ 23.8859, 20.2421,
14.3030

■ 26.4075, 23.8732,
19.4965

■ 29.3591, 28.0824,
25.7032

■ 32.7598, 32.8934,
32.9730

■ 36.6275, 38.3288,
41.3525

■ 40.9789, 44.4098,
50.8856

■ 45.8301, 51.1568,
61.6139

Harmonies

Analogous

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



20.8454, 12.5525, 10.7014



18.6891, 12.5525, 4.2342



14.8251, 12.5525, 1.9024

Triad

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



18.6891, 12.5525, 4.2342



6.2773, 12.5525, 7.3252



13.0875, 12.5525, 47.1567

Complementary

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



18.6891, 12.5525, 4.2342



19.0335, 24.9488, 40.8580

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.



9.4400, 12.5525, 44.4652



18.6891, 12.5525, 4.2342



6.0077, 12.5525, 17.1366

Square

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



18.6891, 12.5525, 4.2342



7.8743, 12.5525, 2.9017



7.0367, 12.5525, 31.6753



17.1848, 12.5525, 37.7811

Rectangle

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



18.6891, 12.5525, 4.2342



12.0980, 12.5525, 1.5410



7.0367, 12.5525, 31.6753



11.7651, 12.5525, 47.7051

Sweetspot

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



18.6894, 12.5532, 4.2344



53.3011, 50.9946, 46.6943



22.7104, 12.6408, 30.0970



11.2932, 10.6538, 9.4913



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



18.6894, 12.5532, 4.2344



31.1931, 18.4959, 3.2018



24.1428, 23.4599, 6.0522



7.6235, 7.7271, 7.8789



12.5095, 6.9163, 0.6757



0.3318, 0.2231, 0.0256

Inverse Universe

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



19.0335, 24.9488, 40.8580



31.6723, 41.9978, 73.6622



11.9430, 10.7680, 38.4945



7.6449, 8.3267, 9.6226



12.6049, 16.6700, 30.5288



0.3329, 0.4581, 0.7515

Previews

White Background



This preview shows how the XYZ color 18.6891, 12.5525, 4.2342 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 18.6891, 12.5525, 4.2342 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 18.6891, 12.5525, 4.2342

Background



This preview shows how black text looks on a background with the XYZ color 18.6891, 12.5525, 4.2342.



This preview shows how white text looks on a background with the XYZ color 18.6891, 12.5525,

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

18.6891, 12.5525, 4.2342

Protanopia

11.7770, 12.7451, 5.9770

Deuteranopia

12.8223, 12.6367, 3.9538



Tritanopia

19.2390, 12.5192, 6.8713

Trichromacy



Original Color

18.6891, 12.5525, 4.2342

Protanomaly

13.5394, 12.0806, 5.2326

Deuteranomaly

14.5183, 12.2543, 3.9830

Tritanomaly

19.0948, 12.5525, 5.8314

Monochromacy



Original Color

18.6891, 12.5525, 4.2342

Achromatopsia

10.8771, 11.4435, 12.4620

Achromatomaly

12.6497, 11.1846, 8.6999

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.6891, 12.5525, 4.2342 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(168, 67, 48)` looks like.

```
.text, #text, p{  
    color:rgb(168, 67, 48)  
}
```

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(168, 67, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 67, 48) }
```

Border

The CSS property to change the border of an element to XYZ 18.6891, 12.5525, 4.2342 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(168, 67, 48) }
```


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

```
.border{ border-color:rgb(168, 67, 48) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 67, 48)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 67, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 67, 48);  
box-shadow:4px 4px 4px 4px rgb(168, 67,  
48) }
```

Background

The CSS property to change the background color of an element to XYZ 18.6891, 12.5525, 4.2342 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 67, 48) }
```

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

```
.background{ background-color: rgb(168, 67,  
48) }
```

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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