

Converting Colors

XYZ(18.5441, 12.1378, 2.3803)

Have a look what the booklet for
XYZ(18.5441, 12.1378, 2.3803)
contains.

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Color

**XYZ(18.5529, 12.1802,
2.4101)**

Conversions

Conversions Part 1

Format	Color
Hex	AA3F1B
RGB	170, 63, 27
RGB Percent	67%, 25%, 11%
CMY	0.3333, 0.7529, 0.8941
CMYK	0.00, 0.63, 0.84, 0.33
HSL	15°, 73%, 39%
HSV	15°, 84%, 67%
XYZ	18.5529, 12.1802, 2.4101
YIQ	90.8890, 75.3280, 11.4880

Conversions

Conversions Part 2

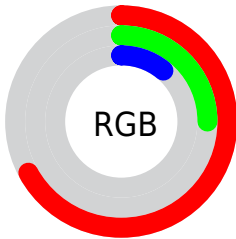
Format	Color
R_{YB}	170, 75, 27
Decimal	11157275
CIE Lab	41.50, 42.19, 42.98
CIE LCh	42, 60.232, 45.533
Yxy	12.1802, 0.5598, 0.3675
Android (android.graphics.Color)	4289347355 (0xFFAA3F1B)
YUV	90.8890, -31.4973, 69.3803
Hunter-Lab	34.9001, 33.8153, 20.3357

Details

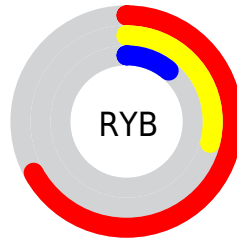
The XYZ color **18.5529, 12.1802, 2.4101** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **16.2319, 20.1838, 41.0703**, and the grayscale version is **9.9766, 10.4961, 11.4303**.

A 20% lighter version of the original color is **40.6455, 29.9117, 10.1098**, and **6.4630, 3.3801, 0.3118** is the 20% darker color. If you saturate the color by 10%, you get **17.7852, 10.8738, 1.4487**, and if you desaturate by 10%, it is **19.5977, 13.8591, 4.0252**.

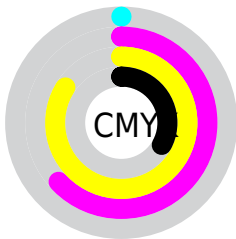
Distribution



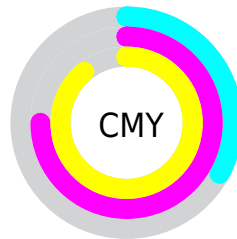
- Red (67%)
- Green (25%)
- Blue (11%)



- Red (67%)
- Yellow (29%)
- Blue (11%)



- Cyan (0%)
- Magenta (63%)
- Yellow (84%)
- Black (33%)



- Cyan (33%)
- Magenta (75%)
- Yellow (89%)
- Black (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.5529, 12.1802, 2.4101 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 18.5529, 12.1802, 2.4101 by changing the saturation by 10% instead.

■ 18.5529, 12.1802,
2.4101

■ 18.5529, 12.1802,
2.4101

236.9551,
205.5946, 128.4510

■ 11.4497, 6.8665,
0.7919

■ 40.5000, 29.8229,
10.1344

■ 6.4397, 3.3788,
0.0000

■ 56.0746, 42.9207,
17.0876

■ 3.1574, 1.3325,
0.0000

■ 75.2038, 59.3820,
26.6597

■ 1.2376, 0.1662,
0.0000

■ 98.2528, 79.5911,
39.2691

■ 0.1357, 0.0000,
0.0000


■ 125.5871,
103.9326, 55.3344


■ 0.0000, 0.0000,
0.0000


■ 157.5720,

132.7907, 75.2741


 194.5729,
166.5500, 99.5068


 18.5529, 12.1802,
2.4101


 18.5529, 12.1802,
2.4101


 17.7852, 10.8738,
1.4487


 19.5977, 13.8591,
4.0252

 17.4342, 10.2595,
1.0614

 20.9462, 15.9358,
6.3870

 22.6224, 18.4356,
9.5741

 24.6474, 21.3809,
13.6547

 27.0405, 24.7927,
18.6899

■ 29.8196, 28.6902,
24.7354

■ 33.0011, 33.0920,
31.8426

■ 36.6008, 38.0153,
40.0595

■ 40.6334, 43.4766,
49.4308

Harmonies

Analogous

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



21.7615, 12.1802, 7.7851



18.5529, 12.1802, 2.4101



13.8161, 12.1802, 0.9250

Triad

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



18.5529, 12.1802, 2.4101



5.1766, 12.1802, 8.0936



13.9874, 12.1802, 52.8441

Complementary

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



18.5529, 12.1802, 2.4101



16.2319, 20.1838, 41.0703

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.



9.5938, 12.1802, 53.1371



18.5529, 12.1802, 2.4101



5.2004, 12.1802, 20.8455

Square

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



18.5529, 12.1802, 2.4101



6.5378, 12.1802, 2.5136



6.6139, 12.1802, 39.0731



18.7053, 12.1802, 38.4234

Rectangle

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



18.5529, 12.1802, 2.4101



10.7821, 12.1802, 0.8111



6.6139, 12.1802, 39.0731



12.4099, 12.1802, 54.8037

Sweetspot

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



18.5532, 12.1809, 2.4103



53.3893, 51.0583, 43.3044



21.2899, 11.0581, 23.6581



11.5116, 10.8346, 8.7942



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



18.5532, 12.1809, 2.4103



31.4856, 18.3207, 1.8768



25.3350, 25.7445, 4.6709



7.6789, 7.8379, 7.8974



12.8637, 7.6247, 0.7937



0.3524, 0.2645, 0.0325

Inverse Universe

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



16.2319, 20.1838, 41.0703



26.7992, 32.5349, 73.8693



9.4714, 6.6628, 38.8167



7.5852, 8.2074, 9.6027



10.9848, 13.4298, 29.9887



0.3044, 0.4011, 0.7420

Previews

White Background



This preview shows how the XYZ color 18.5529, 12.1802, 2.4101 looks on a white background.

Color Contrast Check

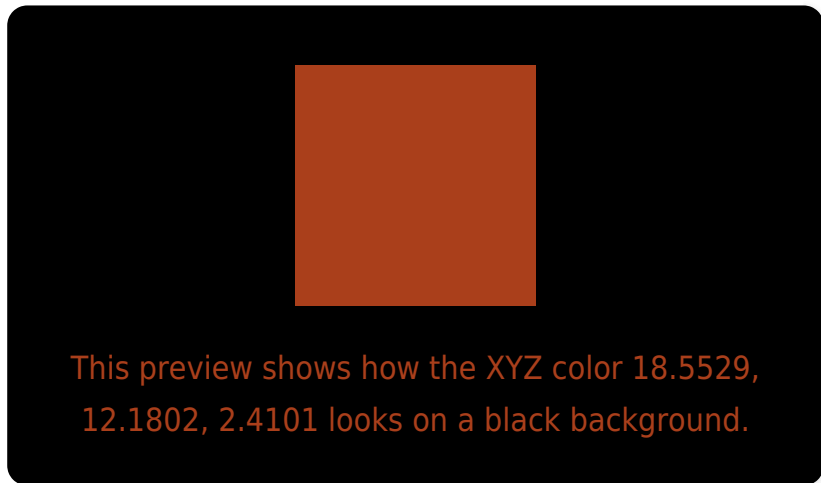
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.5529, 12.1802, 2.4101

Background



This preview shows how black text looks on a background with the XYZ color 18.5529, 12.1802, 2.4101.



This preview shows how white text looks on a background with the XYZ color 18.5529, 12.1802,

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

18.5529, 12.1802, 2.4101

Protanopia

11.2107, 12.3661, 3.4651

Deuteranopia

12.5328, 12.3944, 2.1126



Tritanopia

19.2558, 12.1447, 6.0319

Trichromacy



Original Color

18.5529, 12.1802, 2.4101

Protanomaly

13.1180, 11.6709, 3.0002

Deuteranomaly

14.1869, 11.8929, 2.1201

Tritanomaly

18.9862, 12.1199, 4.3563

Monochromacy



Original Color

18.5529, 12.1802, 2.4101

Achromatopsia

9.9438, 10.4616, 11.3927

Achromatomaly

11.7315, 10.2953, 6.8377

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.5529, 12.1802, 2.4101 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(170, 63, 27)` looks like.

```
.text, #text, p{  
    color:rgb(170, 63, 27)  
}
```

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(170, 63, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 63, 27) }
```

Border

The CSS property to change the border of an element to XYZ 18.5529, 12.1802, 2.4101 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(170, 63, 27) }
```


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

```
.border{ border-color:rgb(170, 63, 27) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 63, 27)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 63, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 63, 27);  
box-shadow:4px 4px 4px 4px rgb(170, 63,  
27) }
```

Background

The CSS property to change the background color of an element to XYZ 18.5529, 12.1802, 2.4101 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 63, 27) }
```

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

```
.background{ background-color: rgb(170, 63,  
27) }
```

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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