

Converting Colors

XYZ(18.8355, 12.4002, 2.8649)

Have a look what the booklet for
XYZ(18.8355, 12.4002, 2.8649)
contains.

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Color

**XYZ(18.9025, 12.4345,
2.8427)**

Conversions

Conversions Part 1

Format	Color
Hex	AB4021
RGB	171, 64, 33
RGB Percent	67%, 25%, 13%
CMY	0.3294, 0.7490, 0.8706
CMYK	0.00, 0.63, 0.81, 0.33
HSL	13°, 68%, 40%
HSV	13°, 81%, 67%
XYZ	18.9025, 12.4345, 2.8427
YIQ	92.4590, 73.7230, 13.0430

Conversions

Conversions Part 2

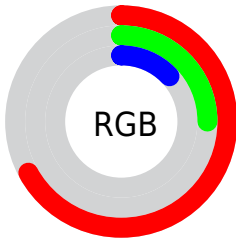
Format	Color
R_{YB}	171, 73, 33
Decimal	11223073
CIE Lab	41.90, 42.29, 40.49
CIE LCh	42, 58.550, 43.757
Yxy	12.4345, 0.5530, 0.3638
Android (android.graphics.Color)	4289413153 (0xFFAB4021)
YUV	92.4590, -29.3133, 68.8805
Hunter-Lab	35.2626, 33.9754, 19.9041

Details

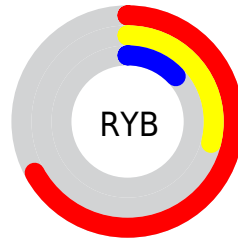
The XYZ color **18.9025, 12.4345, 2.8427** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **17.3552, 22.0182, 41.8630**, and the grayscale version is **10.3331, 10.8712, 11.8387**.

A 20% lighter version of the original color is **40.9721, 30.2258, 11.2641**, and **6.7255, 3.5316, 0.3272** is the 20% darker color. If you saturate the color by 10%, you get **18.0601, 11.0407, 1.6656**, and if you desaturate by 10%, it is **20.0448, 14.2339, 4.7200**.

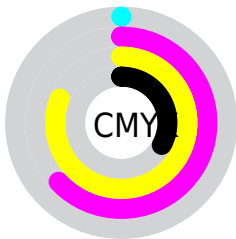
Distribution



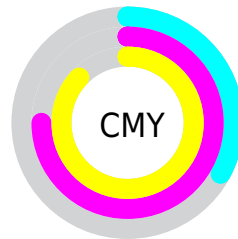
- Red (67%)
- Green (25%)
- Blue (13%)



- Red (67%)
- Yellow (29%)
- Blue (13%)



- Cyan (0%)
- Magenta (63%)
- Yellow (81%)
- Black (33%)





- Cyan (33%)
- Magenta (75%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.9025, 12.4345, 2.8427 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 18.9025, 12.4345, 2.8427 by changing the saturation by 10% instead.


 18.9025, 12.4345,
2.8427


 18.9025, 12.4345,
2.8427


238.8584,
207.2609, 134.3313


 11.7034, 7.0403,
1.0149


 41.0874, 30.2840,
11.2378


 6.6128, 3.4873,
0.0000


 56.8040, 43.5082,
18.6421

 3.2653, 1.3911,
0.0000

 76.0905, 60.1111,
28.7423

 1.2956, 0.2102,
0.0000

 99.3122, 80.4771,
41.9570

 0.1799, 0.0000,
0.0000

 126.8345,
104.9908, 58.7047

 0.0000, 0.0000,
0.0000

 159.0227,

134.0363, 79.4040

196.2422,
167.9983, 104.4733

18.9025, 12.4345,
2.8427

18.9025, 12.4345,
2.8427

18.0601, 11.0407,
1.6656

20.0448, 14.2339,
4.7200

17.5011, 10.0711,
1.0215

21.5140, 16.4663,
7.3863

23.3348, 19.1592,
10.9177

25.5289, 22.3369,
15.3812

28.1165, 26.0221,
20.8370

■ 31.1160, 30.2359,
27.3403

■ 34.5448, 34.9984,
34.9424

■ 38.4193, 40.3285,
43.6909

■ 42.7548, 46.2441,
53.6307

Harmonies

Analogous

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



21.8795, 12.4345, 8.6273



18.9025, 12.4345, 2.8427



14.3015, 12.4345, 1.1290

Triad

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



18.9025, 12.4345, 2.8427



5.4961, 12.4345, 7.9088



13.9091, 12.4345, 52.3653

Complementary

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



18.9025, 12.4345, 2.8427



17.3552, 22.0182, 41.8630

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.



9.6412, 12.4345, 51.7087



18.9025, 12.4345, 2.8427



5.4402, 12.4345, 20.0311

Square

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



18.9025, 12.4345, 2.8427



6.9486, 12.4345, 2.5922



6.7710, 12.4345, 37.6022



18.5555, 12.4345, 39.0653

Rectangle

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



18.9025, 12.4345, 2.8427



11.2819, 12.4345, 0.9658



6.7710, 12.4345, 37.6022



12.3720, 12.4345, 53.9385

Sweetspot

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



18.9028, 12.4352, 2.8429



53.6391, 51.2283, 44.4035



22.1535, 11.6717, 26.3236



11.5491, 10.8440, 9.0085



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.



18.9028, 12.4352, 2.8429



31.4812, 18.2533, 2.0551



25.3067, 25.2431, 4.9776



8.1458, 8.2964, 8.3854



13.2271, 7.6596, 0.7813



0.4082, 0.2935, 0.0351

Inverse Universe

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



17.3552, 22.0182, 41.8630



28.2878, 35.3883, 74.3416



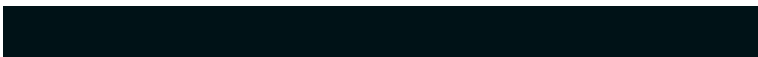
10.3018, 7.9114, 39.5119



8.0814, 8.7622, 10.2180



11.8616, 14.8571, 31.2870



0.3671, 0.4876, 0.8828

Previews

White Background



This preview shows how the XYZ color 18.9025, 12.4345, 2.8427 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 18.9025, 12.4345, 2.8427 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

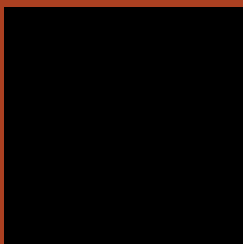
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.9025, 12.4345, 2.8427

Background



This preview shows how black text looks on a background with the XYZ color 18.9025, 12.4345, 2.8427.



This preview shows how white text looks on a background with the XYZ color 18.9025, 12.4345,

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

18.9025, 12.4345, 2.8427

Protanopia

11.5488, 12.6683, 4.1220

Deuteranopia

12.7043, 12.6063, 2.5743



Tritanopia

19.6074, 12.4783, 6.2256

Trichromacy



Original Color

18.9025, 12.4345, 2.8427

Protanomaly

13.4473, 11.9494, 3.5172

Deuteranomaly

14.5235, 12.1706, 2.6206

Tritanomaly

19.3785, 12.4729, 4.7543

Monochromacy



Original Color

18.9025, 12.4345, 2.8427

Achromatopsia

10.1725, 10.7023, 11.6548

Achromatomaly

12.0398, 10.5545, 7.3639

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.9025, 12.4345, 2.8427 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(171, 64, 33)` looks like.

```
.text, #text, p{  
  color:rgb(171, 64, 33)  
}
```

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(171, 64, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 64, 33) }
```

Border

The CSS property to change the border of an element to XYZ 18.9025, 12.4345, 2.8427 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(171, 64, 33) }
```


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

```
.border{ border-color:rgb(171, 64, 33) }
```

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

Here you see how a box with a 4 pixel rgb(171, 64, 33) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 64, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 64, 33);  
box-shadow:4px 4px 4px 4px rgb(171, 64,  
33) }
```

Background

The CSS property to change the background color of an element to XYZ 18.9025, 12.4345, 2.8427 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 64, 33) }
```

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

```
.background{ background-color: rgb(171, 64,  
33) }
```

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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