

Converting Colors

XYZ(16.1584, 11.2376, 1.7999)

Have a look what the booklet for
XYZ(16.1584, 11.2376, 1.7999)
contains.

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Color

**XYZ(16.1423, 11.2029,
1.8018)**

Conversions

Conversions Part 1

Format	Color
Hex	9E4210
RGB	158, 66, 16
RGB Percent	62%, 26%, 6%
CMY	0.3804, 0.7412, 0.9372
CMYK	0.00, 0.58, 0.90, 0.38
HSL	21°, 82%, 34%
HSV	21°, 90%, 62%
XYZ	16.1423, 11.2029, 1.8018
YIQ	87.8080, 70.8820, 3.9540

Conversions

Conversions Part 2

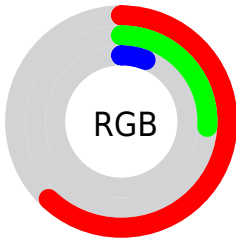
Format	Color
R_{YB}	158, 93, 16
Decimal	10371600
CIE _{Lab}	39.92, 35.86, 45.45
CIE _{LCh}	40, 57.891, 51.727
Yxy	11.2029, 0.5538, 0.3844
Android (android.graphics.Color)	4288561680 (0xFF9E4210)
YUV	87.8080, -35.4013, 61.5584
Hunter-Lab	33.4707, 27.5134, 20.2378

Details

The XYZ color **16.1423, 11.2029, 1.8018** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **11.7474, 13.3031, 34.2962**, and the grayscale version is **9.2982, 9.7825, 10.6531**.

A 20% lighter version of the original color is **36.5288, 28.1643, 8.5120**, and **5.3164, 2.9943, 0.2978** is the 20% darker color. If you saturate the color by 10%, you get **15.5046, 10.0755, 1.1334**, and if you desaturate by 10%, it is **16.9596, 12.5745, 2.8857**.

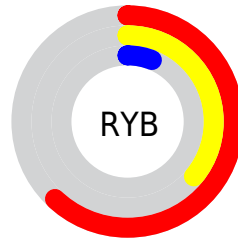
Distribution



Red (62%)

Green (26%)

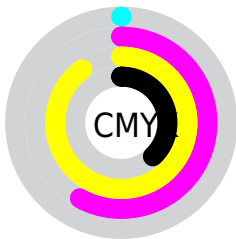
Blue (6%)



Red (62%)

Yellow (36%)

Blue (6%)

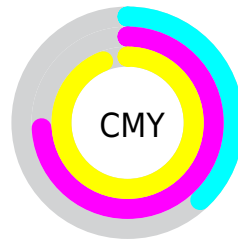


Cyan (0%)

Magenta (58%)

Yellow (90%)

Black (38%)



Cyan (38%)

Magenta (74%)

Yellow (94%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.1423, 11.2029, 1.8018 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 16.1423, 11.2029, 1.8018 by changing the saturation by 10% instead.

■ 16.1423, 11.2029,
1.8018

■ 16.1423, 11.2029,
1.8018

223.4339,
199.0543, 119.2190

■ 9.7164, 6.2035,
0.4291

■ 36.4005, 28.0348,
8.4915

■ 5.2721, 2.9692,
0.0000

■ 50.9635, 40.6360,
14.7385

■ 2.4442, 1.1157,
0.0000

■ 68.9697, 56.5399,
23.4784

■ 0.8672, 0.0000,
0.0000


■ 90.7842, 76.1310,
35.1296


■ 0.0000, 0.0000,
0.0000


■ 116.7725, 99.7936,
50.1107


■ 147.3000,


127.9121, 68.8403


 182.7320,
160.8708, 91.7369


 16.1423, 11.2029,
1.8018


 16.1423, 11.2029,
1.8018


 15.5046, 10.0755,
1.1334


 16.9596, 12.5745,
2.8857

 15.4972, 10.0625,
1.1255

 17.9918, 14.2113,
4.5482

 19.2572, 16.1290,
6.8600

 20.7716, 18.3415,
9.8812

 22.5491, 20.8613,
13.6651

■ 24.6028, 23.7004,
18.2597

■ 26.9449, 26.8701,
23.7092

■ 29.5865, 30.3808,
30.0543

■ 32.5386, 34.2429,
37.3334

Harmonies

Analogous

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



19.4836, 11.2029, 5.7382



16.1423, 11.2029, 1.8018



11.7906, 11.2029, 0.8068

Triad

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



16.1423, 11.2029, 1.8018



4.7172, 11.2029, 9.3017



13.7481, 11.2029, 46.1118

Complementary

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



16.1423, 11.2029, 1.8018



11.7474, 13.3031, 34.2962

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.



9.5818, 11.2029, 49.4211



16.1423, 11.2029, 1.8018



4.9928, 11.2029, 22.2738

Square

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



16.1423, 11.2029, 1.8018



5.6891, 11.2029, 3.0223



6.5677, 11.2029, 38.8571



17.8783, 11.2029, 31.4975

Rectangle

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



16.1423, 11.2029, 1.8018



9.1636, 11.2029, 0.8491



6.5677, 11.2029, 38.8571



12.2847, 11.2029, 48.8389

Sweetspot

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



16.1425, 11.2035, 1.8020



45.6283, 44.3351, 35.3379



17.0086, 8.7288, 15.0597



9.9970, 9.5997, 7.3031



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



16.1425, 11.2035, 1.8020



27.9717, 17.9310, 1.9868



23.0971, 25.1126, 4.1202



6.8146, 7.0092, 6.9794



12.4460, 8.1275, 0.9128



0.2604, 0.2211, 0.0289

Inverse Universe

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



11.7474, 13.3031, 34.2962



19.7071, 21.4821, 61.8512



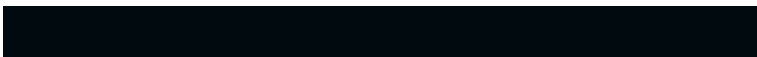
7.0562, 3.9208, 32.7325



6.6251, 7.1160, 8.4310



8.8146, 9.7208, 27.3190



0.1960, 0.2505, 0.5013

Previews

White Background



This preview shows how the XYZ color 16.1423, 11.2029, 1.8018 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 16.1423, 11.2029, 1.8018

Background



This preview shows how black text looks on a background with the XYZ color 16.1423, 11.2029, 1.8018.



This preview shows how white text looks on a background with the XYZ color 16.1423, 11.2029,

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

16.1423, 11.2029, 1.8018

Protanopia

10.3205, 11.3762, 2.5160

Deuteranopia

11.4019, 11.3054, 1.5812



Tritanopia

17.1740, 11.3005, 6.2771

Trichromacy



Original Color

16.1423, 11.2029, 1.8018

Protanomaly

11.9099, 10.8304, 2.1722

Deuteranomaly

12.8068, 10.9663, 1.6140

Tritanomaly

16.5887, 11.1312, 3.9635

Monochromacy



Original Color

16.1423, 11.2029, 1.8018

Achromatopsia

9.2757, 9.7587, 10.6273

Achromatomaly

10.5482, 9.5958, 5.8537

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.1423, 11.2029, 1.8018 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(158, 66, 16)` looks like.

```
.text, #text, p{  
    color:rgb(158, 66, 16)  
}
```

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(158, 66, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 66, 16) }
```

Border

The CSS property to change the border of an element to XYZ 16.1423, 11.2029, 1.8018 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(158, 66, 16) }
```


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

```
.border{ border-color:rgb(158, 66, 16) }
```

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

Here you see how a box with a 4 pixel rgb(158, 66, 16) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 66, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 66, 16);  
box-shadow:4px 4px 4px 4px rgb(158, 66,  
16) }
```

Background

The CSS property to change the background color of an element to XYZ 16.1423, 11.2029, 1.8018 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 66, 16) }
```

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

```
.background{ background-color: rgb(158, 66,  
16) }
```

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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