

Converting Colors

XYZ(18.1629, 16.7171, 2.6206)

Have a look what the booklet for
XYZ(18.1629, 16.7171, 2.6206)
contains.

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Color

**XYZ(18.1535, 16.6995,
2.6144)**

Conversions

Conversions Part 1

Format	Color
Hex	99680C
RGB	153, 104, 12
RGB Percent	60%, 41%, 5%
CMY	0.4000, 0.5921, 0.9529
CMYK	0.00, 0.32, 0.92, 0.40
HSL	39°, 85%, 32%
HSV	39°, 92%, 60%
XYZ	18.1535, 16.6995, 2.6144
YIQ	108.1630, 58.7360, -18.2240

Conversions

Conversions Part 2

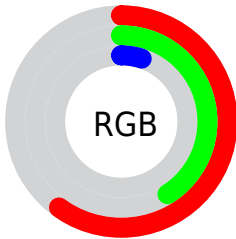
Format	Color
R_{YB}	87, 153, 12
Decimal	10053644
CIE _{Lab}	47.88, 12.60, 52.44
CIE _{LCh}	48, 53.931, 76.484
Yxy	16.6995, 0.4845, 0.4457
Android (android.graphics.Color)	4288243724 (0xFF99680C)
YUV	108.1630, -47.4084, 39.3220
Hunter-Lab	40.8650, 7.7814, 24.8124

Details

The XYZ color **18.1535, 16.6995, 2.6144** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **7.5702, 5.7157, 30.8408**, and the grayscale version is **14.4177, 15.1686, 16.5186**.

A 20% lighter version of the original color is **39.9161, 37.8571, 10.6722**, and **6.3929, 5.4676, 0.7184** is the 20% darker color. If you saturate the color by 10%, you get **17.6778, 15.8545, 2.1285**, and if you desaturate by 10%, it is **18.8411, 17.8587, 3.5096**.

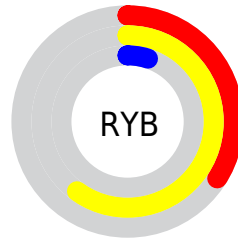
Distribution



Red (60%)

Green (41%)

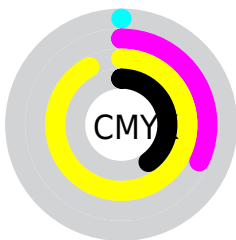
Blue (5%)



Red (34%)

Yellow (60%)

Blue (5%)

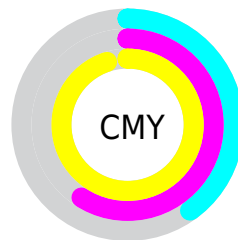


Cyan (0%)

Magenta (32%)

Yellow (92%)

Black (40%)



Cyan (40%)

Magenta (59%)

Yellow (95%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.1535, 16.6995, 2.6144 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 18.1535, 16.6995, 2.6144 by changing the saturation by 10% instead.

■ 18.1535, 16.6995,
2.6144

■ 18.1535, 16.6995,
2.6144

234.7637,
233.4347, 131.2869

■ 11.1606, 10.0205,
0.8999

■ 39.8267, 37.8084,
10.6611

■ 6.2431, 5.4125,
0.0000

■ 55.2378, 53.0070,
17.8318

■ 3.0355, 2.4913,
0.0000

■ 74.1856, 71.8143,
27.6588

■ 1.1726, 0.8723,
0.0000

■ 97.0356, 94.6147,
40.5606


■ 0.0845, 0.0000,
0.0000


■ 124.1530,
121.7925, 56.9558


■ 0.0000, 0.0000,
0.0000


■ 155.9033,


153.7322, 77.2629


 192.6517,
190.8181, 101.9004


 18.1535, 16.6995,
2.6144


 18.1535, 16.6995,
2.6144


 17.6778, 15.8545,
2.1285

 18.8411, 17.8587,
3.5096

 19.6551, 19.1228,
4.9030

 20.6090, 20.4988,
6.8609

 21.7141, 21.9920,
9.4396

 22.9802, 23.6073,
12.6883

■ 24.4163, 25.3492,
16.6511

■ 26.0304, 27.2217,
21.3685

■ 27.8301, 29.2288,
26.8778

■ 29.8227, 31.3740,
33.2140

Harmonies

Analogous

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



23.1995, 16.6995, 4.8768



18.1535, 16.6995, 2.6144



13.3703, 16.6995, 2.7139

Triad

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



18.1535, 16.6995, 2.6144



8.5035, 16.6995, 26.8641



23.6422, 16.6995, 43.4733

Complementary

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



18.1535, 16.6995, 2.6144



7.5702, 5.7157, 30.8408

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.



18.6687, 16.6995, 57.7054



18.1535, 16.6995, 2.6144



10.2775, 16.6995, 45.2462

Square

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



18.1535, 16.6995, 2.6144



8.4213, 16.6995, 12.6273



13.7908, 16.6995, 58.4822



26.7776, 16.6995, 25.1675

Rectangle

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



18.1535, 16.6995, 2.6144



10.9475, 16.6995, 4.0523



13.7908, 16.6995, 58.4822



22.0890, 16.6995, 49.2245

Sweetspot

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



18.1539, 16.7003, 2.6147



44.7304, 46.5779, 32.7022



14.1201, 7.3761, 5.1445



9.6327, 9.9975, 6.5203



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



18.1539, 16.7003, 2.6147



31.4805, 28.0361, 3.7523



20.9498, 27.7022, 4.5909



6.5281, 6.8613, 6.5861



14.6426, 13.1675, 1.7698



0.2526, 0.2643, 0.0377

Inverse Universe

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



7.5702, 5.7157, 30.8408



12.4325, 8.3895, 54.9360



6.5134, 2.8889, 30.3509



6.0513, 6.3599, 7.8376



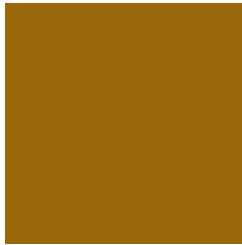
5.8394, 4.0755, 25.3866



0.1191, 0.1246, 0.3901

Previews

White Background



This preview shows how the XYZ color 18.1535, 16.6995, 2.6144 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 18.1535, 16.6995, 2.6144 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 18.1535, 16.6995, 2.6144

Background



This preview shows how black text looks on a background with the XYZ color 18.1535, 16.6995, 2.6144.



This preview shows how white text looks on a background with the XYZ color 18.1535, 16.6995,

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

18.1535, 16.6995, 2.6144

Protanopia

15.1641, 16.7392, 2.9220

Deuteranopia

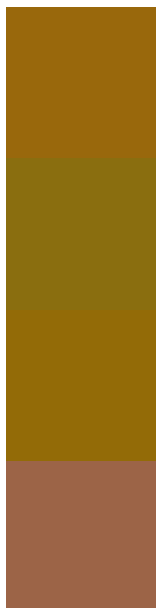
16.8861, 16.6632, 2.4412



Tritanopia

20.6780, 16.7170, 15.2335

Trichromacy



Original Color

18.1535, 16.6995, 2.6144

Protanomaly

16.1434, 16.5896, 2.8032

Deuteranomaly

17.3287, 16.7338, 2.5176

Tritanomaly

19.4048, 16.6372, 8.1498

Monochromacy



Original Color

18.1535, 16.6995, 2.6144

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

14.7725, 15.2815, 8.4744

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.1535, 16.6995, 2.6144 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(153, 104, 12)` looks like.

```
.text, #text, p{  
    color:rgb(153, 104, 12)  
}
```

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(153, 104, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 104, 12) }
```

Border

The CSS property to change the border of an element to XYZ 18.1535, 16.6995, 2.6144 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(153, 104, 12) }
```


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

```
.border{ border-color:rgb(153, 104, 12) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 104, 12)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 104, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 104, 12);  
box-shadow:4px 4px 4px 4px rgb(153, 104,  
12) }
```

Background

The CSS property to change the background color of an element to XYZ 18.1535, 16.6995, 2.6144 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 104, 12) }
```

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

```
.background{ background-color: rgb(153,  
104, 12) }
```

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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