

Converting Colors

XYZ(18.7562, 18.2470, 3.5706)

Have a look what the booklet for
XYZ(18.7562, 18.2470, 3.5706)
contains.

XYZ(18.7545, 18.2468, 3.5704)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(18.7545, 18.2468,
3.5704)**

Conversions

Conversions Part 1

Format	Color
Hex	97701B
RGB	151, 112, 27
RGB Percent	59%, 44%, 11%
CMY	0.4078, 0.5608, 0.8941
CMYK	0.00, 0.26, 0.82, 0.41
HSL	41°, 70%, 35%
HSV	41°, 82%, 59%
XYZ	18.7545, 18.2468, 3.5704
YIQ	113.9710, 50.5290, -18.1670

Conversions

Conversions Part 2

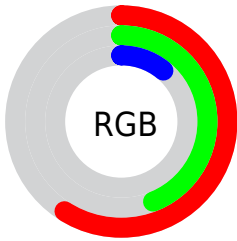
Format	Color
R_{YB}	84, 151, 27
Decimal	9924635
CIE Lab	49.79, 7.49, 49.42
CIE LCh	50, 49.988, 81.378
Yxy	18.2468, 0.4623, 0.4497
Android (android.graphics.Color)	4288114715 (0xFF97701B)
YUV	113.9710, -42.8767, 32.4744
Hunter-Lab	42.7163, 3.6166, 24.9457

Details

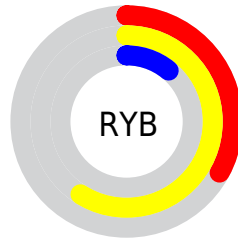
The XYZ color **18.7545, 18.2468, 3.5704** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **7.9860, 6.3636, 30.0853**, and the grayscale version is **16.1000, 16.9384, 18.4459**.

A 20% lighter version of the original color is **40.8030, 40.3142, 13.0280**, and **6.7142, 6.2674, 0.8559** is the 20% darker color. If you saturate the color by 10%, you get **18.1126, 17.1743, 2.7051**, and if you desaturate by 10%, it is **19.5147, 19.4123, 4.9186**.

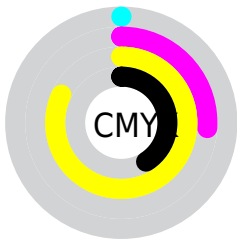
Distribution



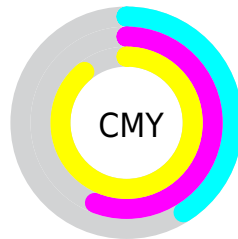
- Red (59%)
- Green (44%)
- Blue (11%)



- Red (33%)
- Yellow (59%)
- Blue (11%)



- Cyan (0%)
- Magenta (26%)
- Yellow (82%)
- Black (41%)



- Cyan (41%)
- Magenta (56%)
- Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.7545, 18.2468, 3.5704 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 18.7545, 18.2468, 3.5704 by changing the saturation by 10% instead.

■ 18.7545, 18.2468,
3.5704

■ 18.7545, 18.2468,
3.5704

238.0543,
242.2585, 143.3235

■ 11.5960, 11.1273,
1.3928

■ 40.8389, 40.4574,
13.0062

■ 6.5394, 6.1525,
0.1361

■ 56.4956, 56.3173,
21.1014

■ 3.2195, 2.9381,
0.0000

■ 75.7156, 75.8596,
32.0063

■ 1.2709, 1.0995,
0.0000

■ 98.8644, 99.4684,
46.1392

■ 0.1613, 0.0000,
0.0000

■ 126.3073,
127.5284, 63.9189

■ 0.0000, 0.0000,
0.0000

■ 158.4097,

160.4237, 85.7638

195.5369,
198.5390, 112.0925

18.7545, 18.2468,
3.5704

18.7545, 18.2468,
3.5704

18.1126, 17.1743,
2.7051

19.5147, 19.4123,
4.9186

17.6638, 16.3820,
2.2311

20.4045, 20.6737,
6.8125

21.4349, 22.0370,
9.3066

22.6154, 23.5064,
12.4485

23.9544, 25.0860,
16.2810

■ 25.4597, 26.7795,
20.8430

■ 27.1384, 28.5904,
26.1708

■ 28.9975, 30.5219,
32.2980

■ 31.0431, 32.5773,
39.2564

Harmonies

Analogous

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



23.7202, 18.2468, 5.6014



18.7545, 18.2468, 3.5704



14.2102, 18.2468, 4.0733

Triad

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



18.7545, 18.2468, 3.5704



10.1282, 18.2468, 31.0621



25.5401, 18.2468, 41.1841

Complementary

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



18.7545, 18.2468, 3.5704



7.9860, 6.3636, 30.0853

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.



20.9054, 18.2468, 55.7340



18.7545, 18.2468, 3.5704



12.2255, 18.2468, 48.2634

Square

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



18.7545, 18.2468, 3.5704



9.7642, 18.2468, 16.1847



16.0042, 18.2468, 58.7925



28.0823, 18.2468, 24.0709

Rectangle

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



18.7545, 18.2468, 3.5704



11.9597, 18.2468, 5.9579



16.0042, 18.2468, 58.7925



24.1390, 18.2468, 46.8106

Sweetspot

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



18.7549, 18.2477, 3.5708



44.6493, 46.9098, 34.4131



14.1457, 7.7598, 5.9481



9.9501, 10.4391, 7.2214



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.



18.7549, 18.2477, 3.5708



31.5613, 29.1760, 4.0245



20.2067, 26.8221, 5.1493



6.5450, 6.8950, 6.5918



15.0534, 13.9891, 1.9068



0.2572, 0.2734, 0.0392

Inverse Universe

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



7.9860, 6.3636, 30.0853



11.8111, 7.5797, 53.2742



7.2803, 3.6898, 29.6064



6.0351, 6.3276, 7.8322



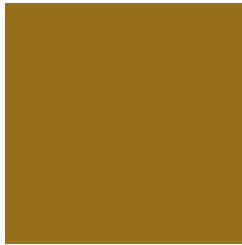
5.6567, 3.7101, 25.3257



0.1146, 0.1155, 0.3886

Previews

White Background



This preview shows how the XYZ color 18.7545, 18.2468, 3.5704 looks on a white background.

Color Contrast Check

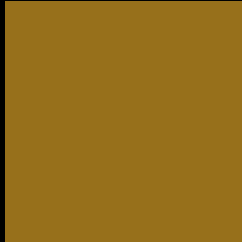
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.7545, 18.2468, 3.5704 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

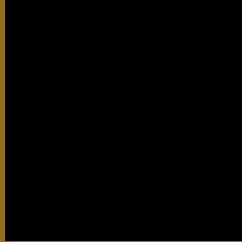
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.7545, 18.2468, 3.5704

Background



This preview shows how black text looks on a background with the XYZ color 18.7545, 18.2468, 3.5704.



This preview shows how white text looks on a background with the XYZ color 18.7545, 18.2468,

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

18.7545, 18.2468, 3.5704

Protanopia

16.4915, 18.2689, 3.8195

Deuteranopia

18.6806, 18.3734, 3.5988



Tritanopia

21.5852, 18.1384, 17.6926

Trichromacy



Original Color

18.7545, 18.2468, 3.5704

Protanomaly

17.2702, 18.1501, 3.6917

Deuteranomaly

18.6806, 18.3734, 3.5988

Tritanomaly

20.0693, 17.9795, 10.1972

Monochromacy



Original Color

18.7545, 18.2468, 3.5704

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

16.1805, 16.9315, 10.3979

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.7545, 18.2468, 3.5704 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(151, 112, 27)` looks like.

```
.text, #text, p{  
    color:rgb(151, 112, 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(151, 112, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 112, 27) }
```

Border

The CSS property to change the border of an element to XYZ 18.7545, 18.2468, 3.5704 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(151, 112, 27) }
```


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

```
.border{ border-color:rgb(151, 112, 27) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 112, 27)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(151, 112, 27); -webkit-box-shadow:4px 4px 4px 4px rgb(151, 112, 27); box-shadow:4px 4px 4px 4px rgb(151, 112, 27) }
```

Background

The CSS property to change the background color of an element to XYZ 18.7545, 18.2468, 3.5704 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 112, 27) }
```

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

```
.background{ background-color: rgb(151,  
112, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor