

Converting Colors

XYZ(18.5676, 18.6256, 9.4922)

Have a look what the booklet for
XYZ(18.5676, 18.6256, 9.4922)
contains.

XYZ(18.5344, 18.6753, 9.4653)	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(18.5344, 18.6753,
9.4653)**

Conversions

Conversions Part 1

Format	Color
Hex	8D744C
RGB	141, 116, 76
RGB Percent	55%, 45%, 30%
CMY	0.4471, 0.5451, 0.7020
CMYK	0.00, 0.18, 0.46, 0.45
HSL	37°, 30%, 43%
HSV	37°, 46%, 55%
XYZ	18.5344, 18.6753, 9.4653
YIQ	118.9150, 27.7400, -7.1400

Conversions

Conversions Part 2

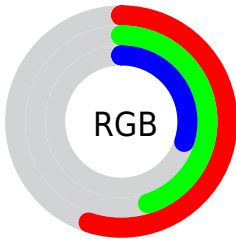
Format	Color
R_{YB}	117, 141, 76
Decimal	9270348
CIE _{Lab}	50.31, 4.15, 25.72
CIE _{LCh}	50, 26.054, 80.840
Yxy	18.6753, 0.3971, 0.4001
Android (android.graphics.Color)	4287460428 (0xFF8D744C)
YUV	118.9150, -21.1571, 19.3685
Hunter-Lab	43.2149, 0.9305, 17.2643

Details

The XYZ color **18.5344, 18.6753, 9.4653** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **12.4417, 12.7665, 27.0077**, and the grayscale version is **17.5667, 18.4816, 20.1264**.

A 20% lighter version of the original color is **40.4693, 41.2217, 25.2257**, and **6.4343, 6.3570, 2.1842** is the 20% darker color. If you saturate the color by 10%, you get **17.4901, 17.2872, 6.9582**, and if you desaturate by 10%, it is **19.7235, 20.1812, 12.5513**.

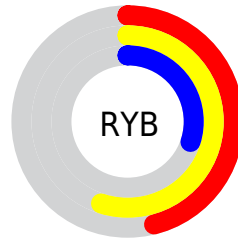
Distribution



Red (55%)

Green (45%)

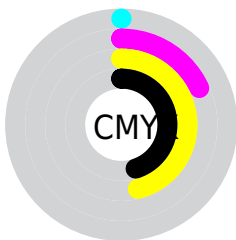
Blue (30%)



Red (46%)

Yellow (55%)

Blue (30%)

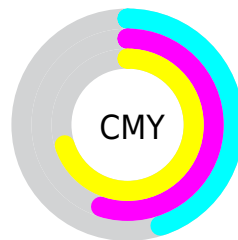


Cyan (0%)

Magenta (18%)

Yellow (46%)

Black (45%)



Cyan (45%)

Magenta (55%)

Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.5344, 18.6753, 9.4653 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 18.5344, 18.6753, 9.4653 by changing the saturation by 10% instead.

■ 18.5344, 18.6753,
9.4653

■ 18.5344, 18.6753,
9.4653

236.8540,
244.6503, 197.1562

■ 11.4363, 11.4359,
4.9450

■ 40.4688, 41.1847,
25.3767

■ 6.4306, 6.3608,
2.1568

■ 56.0359, 57.2235,
37.6049

■ 3.1518, 3.0657,
0.6493

■ 75.1567, 76.9642,
53.2394

■ 1.2345, 1.1661,
0.0000

■ 98.1966, 100.7912,
72.6988

■ 0.1334, 0.0338,
0.0000

■ 125.5209,
129.0890, 96.4016

■ 0.0000, 0.0000,
0.0000

157.4950,

162.2418, 124.7664

194.4842,
200.6341, 158.2118

■ 18.5344, 18.6753,
9.4653

■ 18.5344, 18.6753,
9.4653

■ 17.4901, 17.2872,
6.9582

■ 19.7235, 20.1812,
12.5513

■ 16.5817, 16.0101,
4.9912

■ 21.0632, 21.8059,
16.2492

■ 15.8009, 14.8404,
3.5226

■ 22.5605, 23.5540,
20.5908

■ 15.1379, 13.7732,
2.5040

■ 24.2214, 25.4287,
25.6056

■ 14.5780, 12.8016,
1.8606

■ 26.0517, 27.4333,
31.3211

■ 14.3746, 12.4430,
1.6441

■ 28.0568, 29.5708,
37.7631

■ 30.2420, 31.8442,
44.9563

■ 32.6122, 34.2562,
52.9243

■ 35.1722, 36.8097,
61.6894

Harmonies

Analogous

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



20.9957, 18.6753, 11.3470



18.5344, 18.6753, 9.4653



16.0787, 18.6753, 9.9119

Triad

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



18.5344, 18.6753, 9.4653



13.5890, 18.6753, 25.6921



21.7867, 18.6753, 30.4379

Complementary

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



18.5344, 18.6753, 9.4653



12.4417, 12.7665, 27.0077

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.



19.5339, 18.6753, 36.2916



18.5344, 18.6753, 9.4653



14.8578, 18.6753, 33.1314

Square

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



18.5344, 18.6753, 9.4653



13.3761, 18.6753, 18.2003



16.9887, 18.6753, 37.3796



22.9871, 18.6753, 22.6288

Rectangle

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



18.5344, 18.6753, 9.4653



14.7612, 18.6753, 11.5254



16.9887, 18.6753, 37.3796



21.1179, 18.6753, 32.7701

Sweetspot

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



18.5349, 18.6762, 9.4657



40.9152, 42.7682, 38.3995



15.9673, 11.7911, 14.0049



9.0167, 9.4130, 8.2145



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



18.5349, 18.6762, 9.4657



31.3080, 30.9393, 12.4287



20.7408, 24.6811, 10.5085



5.6677, 5.9417, 5.7375



13.1226, 11.3769, 1.5043



0.1469, 0.1516, 0.0215

Inverse Universe

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



12.4417, 12.7665, 27.0077



19.0363, 19.0509, 47.8017



10.9157, 8.9085, 26.3435



5.2890, 5.5738, 6.8259



5.6106, 4.2071, 23.4934



0.0738, 0.0806, 0.2313

Previews

White Background



This preview shows how the XYZ color 18.5344, 18.6753, 9.4653 looks on a white 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

Black Background



This preview shows how the XYZ color 18.5344, 18.6753, 9.4653 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 18.5344, 18.6753, 9.4653

Background



This preview shows how black text looks on a background with the XYZ color 18.5344, 18.6753, 9.4653.



This preview shows how white text looks on a background with the XYZ color 18.5344, 18.6753,

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

18.5344, 18.6753, 9.4653

Protanopia

17.2975, 18.7288, 9.9111

Deuteranopia

19.1123, 18.8030, 9.4595



Tritanopia

20.6913, 18.7205, 19.9756

Trichromacy



Original Color

18.5344, 18.6753, 9.4653

Protanomaly

17.7679, 18.7978, 9.7130

Deuteranomaly

18.9368, 18.7126, 9.4513

Tritanomaly

19.8549, 18.7188, 15.3986

Monochromacy



Original Color

18.5344, 18.6753, 9.4653

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

17.6790, 18.4482, 15.4610

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.5344, 18.6753, 9.4653 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(141, 116, 76)` looks like.

```
.text, #text, p{  
    color:rgb(141, 116, 76)  
}
```

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(141, 116, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 116, 76) }
```

Border

The CSS property to change the border of an element to XYZ 18.5344, 18.6753, 9.4653 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(141, 116, 76) }
```


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

```
.border{ border-color:rgb(141, 116, 76) }
```

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

Here you see how a box with a 4 pixel rgb(141, 116, 76) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(141, 116, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(141, 116, 76);  
box-shadow:4px 4px 4px 4px rgb(141, 116,  
76) }
```

Background

The CSS property to change the background color of an element to XYZ 18.5344, 18.6753, 9.4653 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 116, 76) }
```

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

```
.background{ background-color: rgb(141,  
116, 76) }
```

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