

Converting Colors

XYZ(16.4342, 17.5099, 13.1032)

Have a look what the booklet for
XYZ(16.4342, 17.5099, 13.1032)
contains.

XYZ(16.4342, 17.5099, 13.1032)	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(16.4342, 17.5099,
13.1032)**

Conversions

Conversions Part 1

Format	Color
Hex	7B745E
RGB	123, 116, 94
RGB Percent	48%, 45%, 37%
CMY	0.5176, 0.5451, 0.6314
CMYK	0.00, 0.06, 0.24, 0.52
HSL	46°, 13%, 43%
HSV	46°, 24%, 48%
XYZ	16.4342, 17.5099, 13.1032
YIQ	115.5850, 11.2340, -5.3580

Conversions

Conversions Part 2

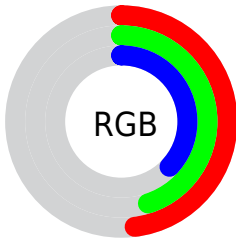
Format	Color
R_{YB}	103, 123, 94
Decimal	8090718
CIE Lab	48.90, -1.17, 13.15
CIE LCh	49, 13.200, 95.097
Yxy	17.5099, 0.3493, 0.3722
Android (android.graphics.Color)	4286280798 (0xFF7B745E)
YUV	115.5850, -10.6414, 6.5030
Hunter-Lab	41.8448, -3.1241, 10.7254

Details

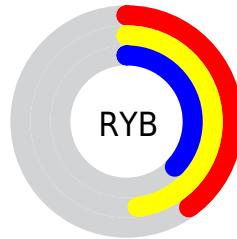
The XYZ color **16.4342, 17.5099, 13.1032** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.8449, 13.1169, 20.5939**, and the grayscale version is **16.5030, 17.3625, 18.9077**.

A 20% lighter version of the original color is **36.9412, 39.2490, 32.0144**, and **5.4247, 5.8035, 3.6306** is the 20% darker color. If you saturate the color by 10%, you get **15.5892, 16.6338, 10.3121**, and if you desaturate by 10%, it is **17.3791, 18.4447, 16.3621**.

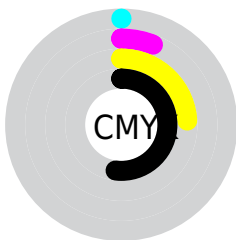
Distribution



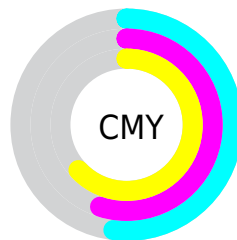
- Red (48%)
- Green (45%)
- Blue (37%)



- Red (40%)
- Yellow (48%)
- Blue (37%)



- Cyan (0%)
- Magenta (6%)
- Yellow (24%)
- Black (52%)



- Cyan (52%)
- Magenta (55%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.4342, 17.5099, 13.1032 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 16.4342, 17.5099, 13.1032 by changing the saturation by 10% instead.

■ 16.4342, 17.5099,
13.1032

■ 16.4342, 17.5099,
13.1032

225.1108,
238.0939, 222.8090

■ 9.9247, 10.5987,
7.3681

■ 36.9018, 39.2004,
32.1830

■ 5.4110, 5.7977,
3.6114

■ 51.5905, 54.7485,
46.3647

■ 2.5276, 2.7225,
1.4147

■ 69.7365, 73.9444,
64.1990

■ 0.9092, 0.9886,
0.1531

■ 91.7049, 97.1724,
86.1046

■ 0.0000, 0.0000,
0.0000

117.8612,
124.8170, 112.4998

148.5707,

157.2625, 143.8032

184.1988,
194.8933, 180.4335

■ 16.4342, 17.5099,
13.1032

■ 16.4342, 17.5099,
13.1032

■ 15.5892, 16.6338,
10.3121

■ 17.3791, 18.4447,
16.3621

■ 14.8383, 15.8120,
7.9656

■ 18.4264, 19.4375,
20.1080

■ 14.1776, 15.0435,
6.0405

■ 19.5804, 20.4907,
24.3607

■ 13.6018, 14.3260,
4.5108

■ 20.8446, 21.6060,
29.1383

■ 13.1056, 13.6571,
3.3478

■ 22.2223, 22.7849,
34.4582

■ 12.6825, 13.0342,
2.5186

■ 23.7169, 24.0288,
40.3368

■ 12.3245, 12.4538,
1.9811

■ 25.3313, 25.3390,
46.7900

■ 12.1111, 12.0962,
1.6965

■ 27.0686, 26.7169,
53.8329

■ 28.9316, 28.1638,
61.4802

Harmonies

Analogous

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



17.6546, 17.5099, 13.5766



16.4342, 17.5099, 13.1032



15.3244, 17.5099, 14.0603

Triad

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



16.4342, 17.5099, 13.1032



14.7884, 17.5099, 23.2140



18.8724, 17.5099, 22.0501

Complementary

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



16.4342, 17.5099, 13.1032



12.8449, 13.1169, 20.5939

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.



18.0344, 17.5099, 25.1361



16.4342, 17.5099, 13.1032



15.6701, 17.5099, 25.8638

Square

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



16.4342, 17.5099, 13.1032



14.4045, 17.5099, 19.6711



16.8528, 17.5099, 26.6069



19.1014, 17.5099, 18.4721

Rectangle

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



16.4342, 17.5099, 13.1032



14.7842, 17.5099, 15.4591



16.8528, 17.5099, 26.6069



18.6506, 17.5099, 23.1927

Sweetspot

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



16.4347, 17.5107, 13.1036



32.3007, 34.1557, 33.4937



14.5325, 13.1611, 14.1508



7.5879, 8.0259, 7.8188



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



16.4347, 17.5107, 13.1036



28.6344, 30.5416, 20.8079



16.2728, 18.6702, 13.3359



4.2297, 4.4779, 4.2659



12.5244, 12.5046, 1.7535



59.0556, 58.2747, 8.1356

Inverse Universe

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



12.8449, 13.1169, 20.5939



21.0884, 21.3067, 36.5577



12.9729, 12.2168, 20.4135



3.8689, 4.0362, 5.0183



4.1666, 2.4156, 19.6319



19.3063, 10.3853, 93.4568

Previews

White Background



This preview shows how the XYZ color 16.4342, 17.5099, 13.1032 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 16.4342, 17.5099, 13.1032 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

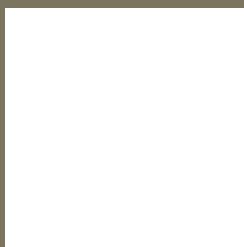
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.4342, 17.5099, 13.1032

Background



This preview shows how black text looks on a background with the XYZ color 16.4342, 17.5099, 13.1032.



This preview shows how white text looks on a background with the XYZ color 16.4342, 17.5099,

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

16.4342, 17.5099, 13.1032

Protanopia

16.4342, 17.5099, 13.1032

Deuteranopia

17.8514, 17.5655, 13.2761



Tritanopia

17.8495, 17.4044, 20.5078

Trichromacy



Original Color

16.4342, 17.5099, 13.1032

Protanomaly

16.4342, 17.5099, 13.1032

Deuteranomaly

17.3308, 17.4618, 13.2835

Tritanomaly

17.2318, 17.3179, 17.4734

Monochromacy



Original Color

16.4342, 17.5099, 13.1032

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

16.5599, 17.4954, 16.6915

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.4342, 17.5099, 13.1032 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(123, 116, 94)` looks like.

```
.text, #text, p{  
    color:rgb(123, 116, 94)  
}
```

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(123, 116, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 116, 94) }
```

Border

The CSS property to change the border of an element to XYZ 16.4342, 17.5099, 13.1032 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(123, 116, 94) }
```


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

```
.border{ border-color:rgb(123, 116, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 116, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 116, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 116, 94);  
box-shadow:4px 4px 4px 4px rgb(123, 116,  
94) }
```

Background

The CSS property to change the background color of an element to XYZ 16.4342, 17.5099, 13.1032 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 116, 94) }
```

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

```
.background{ background-color: rgb(123,  
116, 94) }
```

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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