

Converting Colors

XYZ(16.4391, 16.2997, 13.2981)

Have a look what the booklet for
XYZ(16.4391, 16.2997, 13.2981)
contains.

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Color

**XYZ(16.4820, 16.3710,
13.3576)**

Conversions

Conversions Part 1

Format	Color
Hex	806D60
RGB	128, 109, 96
RGB Percent	50%, 43%, 38%
CMY	0.4980, 0.5725, 0.6235
CMYK	0.00, 0.15, 0.25, 0.50
HSL	24°, 14%, 44%
HSV	24°, 25%, 50%
XYZ	16.4820, 16.3710, 13.3576
YIQ	113.1990, 15.4970, -0.0150

Conversions

Conversions Part 2

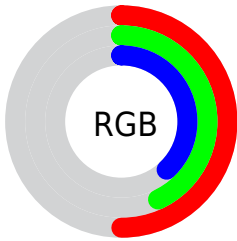
Format	Color
R_{YB}	128, 118, 96
Decimal	8416608
CIE _{Lab}	47.46, 5.30, 10.03
CIE _{LCh}	47, 11.346, 62.161
Yxy	16.3710, 0.3567, 0.3543
Android (android.graphics.Color)	4286606688 (0xFF806D60)
YUV	113.1990, -8.4791, 12.9805
Hunter-Lab	40.4611, 1.9058, 8.7491

Details

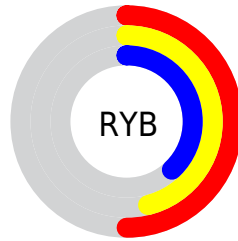
The XYZ color **16.4820, 16.3710, 13.3576** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **14.8507, 16.3062, 22.7867**, and the grayscale version is **15.7766, 16.5982, 18.0755**.

A 20% lighter version of the original color is **36.8933, 37.0720, 32.8149**, and **5.4402, 5.2952, 3.7530** is the 20% darker color. If you saturate the color by 10%, you get **15.1642, 14.6030, 10.2438**, and if you desaturate by 10%, it is **17.9667, 18.3191, 17.0009**.

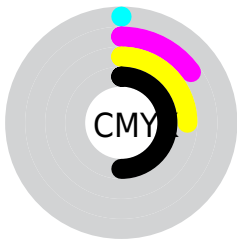
Distribution



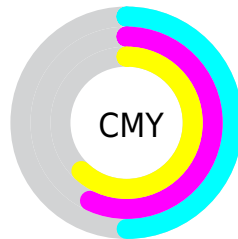
- Red (50%)
- Green (43%)
- Blue (38%)



- Red (50%)
- Yellow (46%)
- Blue (38%)



- Cyan (0%)
- Magenta (15%)
- Yellow (25%)
- Black (50%)



- Cyan (50%)
- Magenta (57%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.4820, 16.3710, 13.3576 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 16.4820, 16.3710, 13.3576 by changing the saturation by 10% instead.

■ 16.4820, 16.3710,
13.3576

■ 16.4820, 16.3710,
13.3576

225.3843,
231.5211, 224.4847

■ 9.9589, 9.7871,
7.5416

■ 36.9837, 37.2411,
32.6453

■ 5.4338, 5.2580,
3.7195

■ 51.6930, 52.2960,
46.9541

■ 2.5413, 2.3994,
1.4728

■ 69.8617, 70.9434,
64.9310

■ 0.9161, 0.8256,
0.1975

■ 91.8552, 93.5677,
86.9944

■ 0.0000, 0.0000,
0.0000

118.0389,
120.5532, 113.5629

148.7780,

152.2843, 145.0551

184.4380,
189.1455, 181.8895

■ 16.4820, 16.3710,
13.3576

■ 16.4820, 16.3710,
13.3576

■ 15.1642, 14.6030,
10.2438

■ 17.9667, 18.3191,
17.0009

■ 14.0057, 13.0074,
7.6335

■ 19.6231, 20.4502,
21.1961

■ 13.0000, 11.5793,
5.4998

■ 21.4573, 22.7699,
25.9653

■ 12.1397, 10.3127,
3.8133

■ 23.4748, 25.2830,
31.3294

■ 11.4166, 9.2011,
2.5409

■ 25.6806, 27.9940,
37.3080

■ 10.8217, 8.2375,
1.6448

■ 28.0799, 30.9072,
43.9200

■ 10.3422, 7.4133,
1.0696

■ 30.6773, 34.0269,
51.1832

■ 10.1306, 7.0462,
0.8261

■ 33.4776, 37.3572,
59.1151

■ 36.4850, 40.9021,
67.7321

Harmonies

Analogous

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



17.2575, 16.3710, 15.0334



16.4820, 16.3710, 13.3576



15.4873, 16.3710, 12.8382

Triad

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



16.4820, 16.3710, 13.3576



13.7043, 16.3710, 18.0351



16.6137, 16.3710, 22.9439

Complementary

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



16.4820, 16.3710, 13.3576



14.8507, 16.3062, 22.7867

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.



15.6333, 16.3710, 23.9607



16.4820, 16.3710, 13.3576



13.9779, 16.3710, 20.9429

Square

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



16.4820, 16.3710, 13.3576



13.9100, 16.3710, 15.3590



14.6733, 16.3710, 23.1921



17.3359, 16.3710, 20.5423

Rectangle

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



16.4820, 16.3710, 13.3576



14.8411, 16.3710, 13.1670



14.6733, 16.3710, 23.1921



16.3020, 16.3710, 23.4700

Sweetspot

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



16.4824, 16.3717, 13.3579



33.8930, 35.1669, 35.6378



16.1911, 14.1975, 18.1672



7.9039, 8.1933, 8.2637



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



16.4824, 16.3717, 13.3579



27.6640, 27.0148, 20.2869



18.3217, 20.0503, 13.9710



4.4601, 4.6089, 4.5747



10.0465, 6.9894, 0.8196



0.0000, 0.0000, 0.0000

Inverse Universe

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



14.8507, 16.3062, 22.7867



24.2746, 26.8764, 39.8645



13.2012, 13.0072, 22.2369



4.3044, 4.6028, 5.4748



6.4267, 6.6719, 21.1990



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 16.4820, 16.3710, 13.3576 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 16.4820, 16.3710, 13.3576 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 16.4820, 16.3710, 13.3576

Background



This preview shows how black text looks on a background with the XYZ color 16.4820, 16.3710, 13.3576.



This preview shows how white text looks on a background with the XYZ color 16.4820, 16.3710,

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

16.4820, 16.3710, 13.3576

Protanopia

15.4700, 16.3217, 13.8903

Deuteranopia

16.5271, 16.2368, 13.3293



Tritanopia

17.4545, 16.2917, 18.4443

Trichromacy



Original Color

16.4820, 16.3710, 13.3576

Protanomaly

15.8681, 16.3695, 13.6326

Deuteranomaly

16.5271, 16.2368, 13.3293

Tritanomaly

17.0177, 16.2652, 16.4299

Monochromacy



Original Color

16.4820, 16.3710, 13.3576

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

15.9192, 16.5014, 16.2560

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.4820, 16.3710, 13.3576 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(128, 109, 96)` looks like.

```
.text, #text, p{  
    color:rgb(128, 109, 96)  
}
```

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(128, 109, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 109, 96) }
```

Border

The CSS property to change the border of an element to XYZ 16.4820, 16.3710, 13.3576 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(128, 109, 96) }
```


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

```
.border{ border-color:rgb(128, 109, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 109, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 109, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 109, 96);  
box-shadow:4px 4px 4px 4px rgb(128, 109,  
96) }
```

Background

The CSS property to change the background color of an element to XYZ 16.4820, 16.3710, 13.3576 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 109, 96) }
```

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

```
.background{ background-color: rgb(128,  
109, 96) }
```

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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