

Converting Colors

XYZ(15.9659, 20.0202, 13.5091)

Have a look what the booklet for
XYZ(15.9659, 20.0202, 13.5091)
contains.

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Color

**XYZ(15.9624, 20.0440,
13.6172)**

Conversions

Conversions Part 1

Format	Color
Hex	69835E
RGB	105, 131, 94
RGB Percent	41%, 51%, 37%
CMY	0.5882, 0.4863, 0.6314
CMYK	0.20, 0.00, 0.28, 0.49
HSL	102°, 16%, 44%
HSV	102°, 28%, 51%
XYZ	15.9624, 20.0440, 13.6172
YIQ	119.0080, -3.6190, -17.0190

Conversions

Conversions Part 2

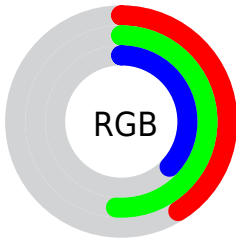
Format	Color
R_{YB}	94, 131, 120
Decimal	6914910
CIE _{Lab}	51.89, -16.76, 17.03
CIE _{LCh}	52, 23.890, 134.535
Yxy	20.0440, 0.3217, 0.4039
Android (android.graphics.Color)	4285104990 (0xFF69835E)
YUV	119.0080, -12.3289, -12.2850
Hunter-Lab	44.7705, -14.7064, 13.3060

Details

The XYZ color **15.9624, 20.0440, 13.6172** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **15.8459, 13.6377, 23.2709**, and the grayscale version is **17.5762, 18.4915, 20.1372**.

A 20% lighter version of the original color is **36.1560, 43.4934, 33.2775**, and **5.1633, 6.9681, 3.8692** is the 20% darker color. If you saturate the color by 10%, you get **14.4005, 19.3017, 10.7317**, and if you desaturate by 10%, it is **17.7422, 20.8883, 17.0346**.

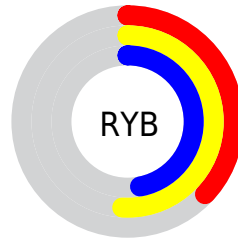
Distribution



Red (41%)

Green (51%)

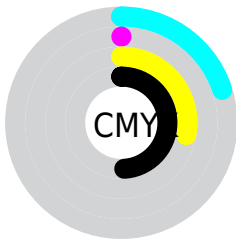
Blue (37%)



Red (37%)

Yellow (51%)

Blue (47%)

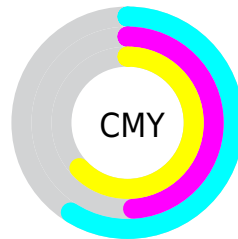


Cyan (20%)

Magenta (0%)

Yellow (28%)

Black (49%)



Cyan (59%)

Magenta (49%)

Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.9624, 20.0440, 13.6172 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 15.9624, 20.0440, 13.6172 by changing the saturation by 10% instead.

■ 15.9624, 20.0440,
13.6172

■ 15.9624, 20.0440,
13.6172

222.3945,
252.1532, 226.1812

■ 9.5882, 12.4270,
7.7192

■ 36.0909, 43.4909,
33.1155

■ 5.1870, 7.0352,
3.8306

■ 50.5759, 60.0897,
47.5530

■ 2.3933, 3.4841,
1.5329

■ 68.4953, 80.4512,
65.6740

■ 0.8417, 1.3894,
0.2422

■ 90.2143, 104.9598,
87.8971

■ 0.0000, 0.2089,
0.0000

116.0984,
133.9999, 114.6408

■ 0.0000, 0.0000,
0.0000

146.5129,

167.9559, 146.3237

181.8231,
207.2122, 183.3643

■ 15.9624, 20.0440,
13.6172

■ 15.9624, 20.0440,
13.6172

■ 14.4005, 19.3017,
10.7317

■ 17.7422, 20.8883,
17.0346

■ 13.0462, 18.6548,
8.3501

■ 19.7466, 21.8358,
21.0075

■ 11.8907, 18.1001,
6.4438

■ 21.9840, 22.8907,
25.5595

■ 10.9238, 17.6330,
4.9809

■ 24.4616, 24.0565,
30.7126

■ 10.1343, 17.2486,
3.9254

■ 27.1865, 25.3363,
36.4875

■ 9.5097, 16.9412,
3.2358

■ 30.1656, 26.7331,
42.9041

■ 9.0263, 16.7008,
2.8139

■ 33.4053, 28.2499,
49.9812

■ 8.9513, 16.6636,
2.7446

■ 36.9118, 29.8896,
57.7370

■ 40.6912, 31.6548,
66.1890

Harmonies

Analogous

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



17.9040, 20.0440, 11.2759



15.9624, 20.0440, 13.6172



14.8985, 20.0440, 18.4514

Triad

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



15.9624, 20.0440, 13.6172



17.8338, 20.0440, 37.4043



23.9345, 20.0440, 18.6395

Complementary

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



15.9624, 20.0440, 13.6172



15.8459, 13.6377, 23.2709

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.



23.9117, 20.0440, 25.5855



15.9624, 20.0440, 13.6172



20.2464, 20.0440, 37.4849

Square

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



15.9624, 20.0440, 13.6172



15.9148, 20.0440, 32.6028



22.5148, 20.0440, 32.8038



22.5748, 20.0440, 13.7296

Rectangle

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



15.9624, 20.0440, 13.6172



14.7679, 20.0440, 22.8982



22.5148, 20.0440, 32.8038



24.0917, 20.0440, 20.7849

Sweetspot

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



15.9629, 20.0449, 13.6176



35.3834, 39.1123, 37.6643



18.0857, 19.0432, 13.3124



8.1200, 9.0504, 8.5323



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



15.9629, 20.0449, 13.6176



26.7122, 35.0042, 20.9009



15.1016, 19.5606, 15.3949



4.7369, 5.2669, 4.9963



8.8132, 16.4033, 2.7017



0.0372, 0.0602, 0.0097

Inverse Universe

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



15.8459, 13.6377, 23.2709



26.4618, 21.5206, 41.2124



16.9763, 14.2763, 20.7981



4.7267, 4.6952, 5.8579



8.3855, 3.8570, 21.4392



0.0364, 0.0172, 0.0746

Previews

White Background



This preview shows how the XYZ color 15.9624, 20.0440, 13.6172 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 15.9624, 20.0440, 13.6172 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 15.9624, 20.0440, 13.6172

Background



This preview shows how black text looks on a background with the XYZ color 15.9624, 20.0440, 13.6172.



This preview shows how white text looks on a background with the XYZ color 15.9624, 20.0440,

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

15.9624, 20.0440, 13.6172

Protanopia

18.6442, 19.9078, 12.7575

Deuteranopia

20.1377, 19.7492, 14.0599



Tritanopia

18.5869, 20.1440, 26.2011

Trichromacy



Original Color

15.9624, 20.0440, 13.6172

Protanomaly

17.5610, 19.9054, 13.0418

Deuteranomaly

18.4002, 19.7563, 13.9099

Tritanomaly

17.4770, 20.0700, 21.0419

Monochromacy



Original Color

15.9624, 20.0440, 13.6172

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

16.8369, 18.8691, 17.5066

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.9624, 20.0440, 13.6172 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(105, 131, 94)` looks like.

```
.text, #text, p{  
    color:rgb(105, 131, 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(105, 131, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 131, 94) }
```

Border

The CSS property to change the border of an element to XYZ 15.9624, 20.0440, 13.6172 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(105, 131, 94) }
```


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

```
.border{ border-color:rgb(105, 131, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 131, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 131, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 131, 94);  
box-shadow:4px 4px 4px 4px rgb(105, 131,  
94) }
```

Background

The CSS property to change the background color of an element to XYZ 15.9624, 20.0440, 13.6172 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 131, 94) }
```

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

```
.background{ background-color: rgb(105,  
131, 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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