

Converting Colors

XYZ(15.9105, 21.1055, 15.1260)

Have a look what the booklet for
XYZ(15.9105, 21.1055, 15.1260)
contains.

XYZ(15.8802, 20.9960, 15.0200)	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(15.8802, 20.9960,
15.0200)**

Conversions

Conversions Part 1

Format	Color
Hex	608863
RGB	96, 136, 99
RGB Percent	38%, 53%, 39%
CMY	0.6235, 0.4667, 0.6118
CMYK	0.29, 0.00, 0.27, 0.47
HSL	124°, 17%, 45%
HSV	124°, 29%, 53%
XYZ	15.8802, 20.9960, 15.0200
YIQ	119.8220, -11.9630, -19.9870

Conversions

Conversions Part 2

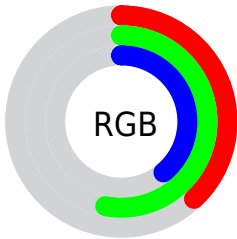
Format	Color
R_{YB}	96, 133, 136
Decimal	6326371
CIE _{Lab}	52.95, -21.79, 15.53
CIE _{LCh}	53, 26.759, 144.521
Yxy	20.9960, 0.3060, 0.4046
Android (android.graphics.Color)	4284516451 (0xFF608863)
YUV	119.8220, -10.2652, -20.8919
Hunter-Lab	45.8214, -18.3252, 12.6400

Details

The XYZ color **15.8802, 20.9960, 15.0200** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **18.5706, 15.2940, 24.1646**, and the grayscale version is **17.8307, 18.7593, 20.4289**.

A 20% lighter version of the original color is **36.1312, 45.3248, 35.6984**, and **5.1665, 7.5319, 4.4303** is the 20% darker color. If you saturate the color by 10%, you get **14.0159, 20.0997, 12.0342**, and if you desaturate by 10%, it is **18.0869, 22.0592, 18.5119**.

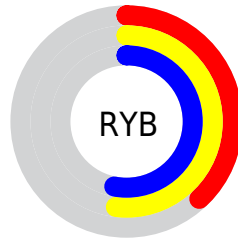
Distribution



Red (38%)

Green (53%)

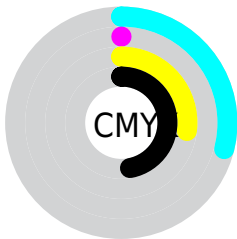
Blue (39%)



Red (38%)

Yellow (52%)

Blue (53%)

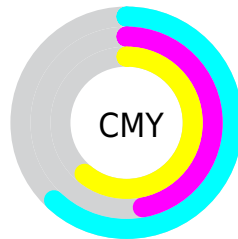


Cyan (29%)

Magenta (0%)

Yellow (27%)

Black (47%)



Cyan (62%)

Magenta (47%)

Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.8802, 20.9960, 15.0200 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 15.8802, 20.9960, 15.0200 by changing the saturation by 10% instead.

■ 15.8802, 20.9960,
15.0200

■ 15.8802, 20.9960,
15.0200

221.9181,
257.2572, 235.1322

■ 9.5297, 13.1211,
8.6866

■ 35.9492, 45.0809,
35.6311

■ 5.1481, 7.5120,
4.4434

■ 50.3985, 62.0596,
50.7458

■ 2.3701, 3.7843,
1.8716

■ 68.2781, 82.8418,
69.6249

■ 0.8302, 1.5536,
0.4746

■ 89.9533, 107.8117,
92.6866

■ 0.0000, 0.3260,
0.0000

115.7896,
137.3538, 120.3497

■ 0.0000, 0.0000,
0.0000

146.1522,

171.8525, 153.0326

181.4066,
211.6922, 191.1540

■ 15.8802, 20.9960,
15.0200

■ 15.8802, 20.9960,
15.0200

■ 14.0159, 20.0997,
12.0342

■ 18.0869, 22.0592,
18.5119

■ 12.4754, 19.3593,
9.5296

■ 20.6502, 23.2943,
22.5303

■ 11.2404, 18.7668,
7.4816

■ 23.5855, 24.7096,
27.0964

■ 10.2908, 18.3121,
5.8626

■ 26.9070, 26.3117,
32.2294

■ 9.6034, 17.9840,
4.6422

■ 30.6279, 28.1071,
37.9480

■ 9.1518, 17.7697,
3.7857

■ 34.7609, 30.1021,
44.2699

■ 8.8746, 17.6383,
3.2516

■ 39.3180, 32.3025,
51.2120

■ 8.8605, 17.6315,
3.2291

■ 44.3110, 34.7138,
58.7905

■ 49.7509, 37.3417,
67.0211

Harmonies

Analogous

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



17.8013, 20.9960, 11.4950



15.8802, 20.9960, 15.0200



15.0565, 20.9960, 21.4183

Triad

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



15.8802, 20.9960, 15.0200



19.4457, 20.9960, 41.9305



25.2735, 20.9960, 17.0336

Complementary

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



15.8802, 20.9960, 15.0200



18.5706, 15.2940, 24.1646

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.



25.8176, 20.9960, 24.3672



15.8802, 20.9960, 15.0200



22.2780, 20.9960, 39.9809

Square

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



15.8802, 20.9960, 15.0200



16.9879, 20.9960, 37.8789



24.6757, 20.9960, 33.0438



23.2513, 20.9960, 12.4526

Rectangle

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



15.8802, 20.9960, 15.0200



15.1791, 20.9960, 26.9547



24.6757, 20.9960, 33.0438



25.6428, 20.9960, 19.2044

Sweetspot

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



15.8808, 20.9969, 15.0205



36.4953, 41.1003, 39.8677



20.6420, 23.4677, 14.5084



8.3080, 9.4490, 9.0081



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



15.8808, 20.9969, 15.0205



25.8318, 35.9647, 23.0288



16.9385, 21.4200, 20.5904



4.9861, 5.6139, 5.4478



8.3873, 16.6875, 3.0645



0.0575, 0.1116, 0.0295

Inverse Universe

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



18.5706, 15.2940, 24.1646



31.3344, 24.2949, 41.7318



17.3363, 14.8003, 17.6649



5.2179, 5.1226, 6.2361



13.1634, 6.3755, 19.1628



0.0897, 0.0432, 0.1391

Previews

White Background



This preview shows how the XYZ color 15.8802, 20.9960, 15.0200 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 15.8802, 20.9960, 15.0200 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 15.8802, 20.9960, 15.0200

Background



This preview shows how black text looks on a background with the XYZ color 15.8802, 20.9960, 15.0200.



This preview shows how white text looks on a background with the XYZ color 15.8802, 20.9960,

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

15.8802, 20.9960, 15.0200

Protanopia

19.4729, 20.8808, 13.5937

Deuteranopia

21.0897, 20.7450, 15.4630



Tritanopia

18.6329, 21.0987, 28.2897

Trichromacy



Original Color

15.8802, 20.9960, 15.0200

Protanomaly

17.9791, 20.8747, 14.1480

Deuteranomaly

18.7119, 20.4505, 15.2730

Tritanomaly

17.5203, 21.0481, 22.8779

Monochromacy



Original Color

15.8802, 20.9960, 15.0200

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

16.9410, 19.4711, 18.1946

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.8802, 20.9960, 15.0200 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(96, 136, 99) looks like.

```
.text, #text, p{  
    color:rgb(96, 136, 99)  
}
```

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(96, 136, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 136, 99) }
```

Border

The CSS property to change the border of an element to XYZ 15.8802, 20.9960, 15.0200 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(96, 136, 99) }
```


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

```
.border{ border-color:rgb(96, 136, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 136, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 136, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 136, 99);  
box-shadow:4px 4px 4px 4px rgb(96, 136,  
99) }
```

Background

The CSS property to change the background color of an element to XYZ 15.8802, 20.9960, 15.0200 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 136, 99) }
```

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

```
.background{ background-color: rgb(96, 136,  
99) }
```

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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