

Converting Colors

XYZ(15.9472, 15.0504, 4.6494)

Have a look what the booklet for
XYZ(15.9472, 15.0504, 4.6494)
contains.

XYZ(15.9620, 15.0801, 4.6542)	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(15.9620, 15.0801,
4.6542)**

Conversions

Conversions Part 1

Format	Color
Hex	8C652E
RGB	140, 101, 46
RGB Percent	55%, 40%, 18%
CMY	0.4510, 0.6039, 0.8196
CMYK	0.00, 0.28, 0.67, 0.45
HSL	35°, 51%, 36%
HSV	35°, 67%, 55%
XYZ	15.9620, 15.0801, 4.6542
YIQ	106.3910, 40.8990, -8.8370

Conversions

Conversions Part 2

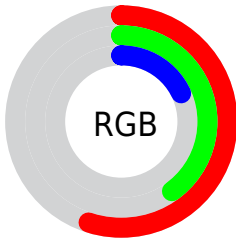
Format	Color
R_{YB}	113, 140, 46
Decimal	9200942
CIE Lab	45.74, 9.72, 36.53
CIE LCh	46, 37.797, 75.095
Yxy	15.0801, 0.4472, 0.4225
Android (android.graphics.Color)	4287391022 (0xFF8C652E)
YUV	106.3910, -29.7728, 29.4751
Hunter-Lab	38.8331, 5.4129, 20.0772

Details

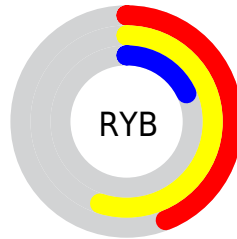
The XYZ color **15.9620, 15.0801, 4.6542** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **9.1085, 8.9707, 26.0621**, and the grayscale version is **13.8788, 14.6016, 15.9011**.

A 20% lighter version of the original color is **36.0136, 35.0004, 15.4473**, and **5.1569, 4.6168, 0.6193** is the 20% darker color. If you saturate the color by 10%, you get **15.1857, 13.8995, 3.2491**, and if you desaturate by 10%, it is **16.8689, 16.3779, 6.5473**.

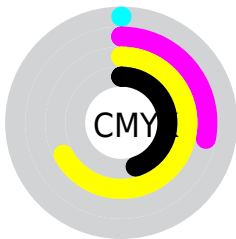
Distribution



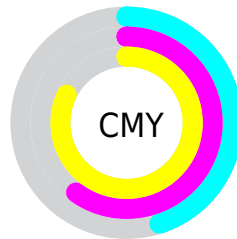
- Red (55%)
- Green (40%)
- Blue (18%)



- Red (44%)
- Yellow (55%)
- Blue (18%)



- Cyan (0%)
- Magenta (28%)
- Yellow (67%)
- Black (45%)



- Cyan (45%)
- Magenta (60%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.9620, 15.0801, 4.6542 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 15.9620, 15.0801, 4.6542 by changing the saturation by 10% instead.

■ 15.9620, 15.0801,
4.6542

■ 15.9620, 15.0801,
4.6542

222.3922,
223.8505, 155.2407

■ 9.5879, 8.8756,
1.9907

■ 36.0902, 34.9936,
15.4925

■ 5.1868, 4.6601,
0.5495

■ 50.5751, 49.4715,
24.5043

■ 2.3931, 2.0493,
0.0000

■ 68.4942, 67.4759,
36.4693

■ 0.8417, 0.6359,
0.0000

■ 90.2131, 89.3913,
51.8060

■ 0.0000, 0.0000,
0.0000

■ 116.0969,
115.6021, 70.9329

■ 146.5112,

146.4926, 94.2687

181.8211,
182.4473, 122.2318

■ 15.9620, 15.0801,
4.6542

■ 15.9620, 15.0801,
4.6542

■ 15.1857, 13.8995,
3.2491

■ 16.8689, 16.3779,
6.5473

■ 14.5291, 12.8287,
2.2827

■ 17.9140, 17.7954,
8.9695

■ 13.9749, 11.8599,
1.6675

■ 19.1055, 19.3378,
11.9584

■ 13.8264, 11.5980,
1.5099

■ 20.4506, 21.0092,
15.5479

■ 21.9559, 22.8132,
19.7695

■ 23.6276, 24.7536,
24.6520

■ 25.4716, 26.8338,
30.2228

■ 27.4932, 29.0570,
36.5076

■ 29.6978, 31.4265,
43.5307

Harmonies

Analogous

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



19.0908, 15.0801, 6.8861



15.9620, 15.0801, 4.6542



12.8009, 15.0801, 4.6607

Triad

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



15.9620, 15.0801, 4.6542



9.2086, 15.0801, 21.4086



19.1083, 15.0801, 32.1191

Complementary

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



15.9620, 15.0801, 4.6542



9.1085, 8.9707, 26.0621

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.



15.9831, 15.0801, 39.7558



15.9620, 15.0801, 4.6542



10.4399, 15.0801, 32.1836

Square

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



15.9620, 15.0801, 4.6542



9.2047, 15.0801, 12.3195



12.8191, 15.0801, 39.7830



21.0816, 15.0801, 21.3415

Rectangle

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



15.9620, 15.0801, 4.6542



11.1010, 15.0801, 5.8643



12.8191, 15.0801, 39.7830



18.1388, 15.0801, 35.2892

Sweetspot

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



15.9624, 15.0808, 4.6545



37.8077, 39.1519, 32.2878



13.4385, 8.1880, 9.5013



8.5592, 8.8389, 7.0110



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.



15.9624, 15.0808, 4.6545



26.1043, 23.4317, 4.6907



19.4128, 23.8721, 6.1695



5.2600, 5.5028, 5.3373



12.3053, 10.3449, 1.3482



0.0962, 0.0977, 0.0138

Inverse Universe

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



9.1085, 8.9707, 26.0621



13.1322, 11.9124, 45.3501



7.2231, 4.6272, 25.3231



4.9340, 5.2109, 6.3516



5.5727, 4.4156, 22.6043



0.0509, 0.0571, 0.1548

Previews

White Background



This preview shows how the XYZ color 15.9620, 15.0801, 4.6542 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 15.9620, 15.0801, 4.6542 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

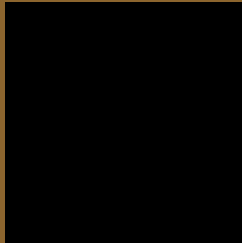
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.9620, 15.0801, 4.6542

Background



This preview shows how black text looks on a background with the XYZ color 15.9620, 15.0801, 4.6542.



This preview shows how white text looks on a background with the XYZ color 15.9620, 15.0801,

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

15.9620, 15.0801, 4.6542

Protanopia

13.8873, 15.2156, 5.0013

Deuteranopia

15.3156, 15.0409, 4.5786



Tritanopia

17.9921, 15.0730, 14.5315

Trichromacy



Original Color

15.9620, 15.0801, 4.6542

Protanomaly

14.5692, 15.1025, 4.8365

Deuteranomaly

15.5416, 15.0106, 4.5608

Tritanomaly

17.1254, 14.9982, 9.9750

Monochromacy



Original Color

15.9620, 15.0801, 4.6542

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

14.0218, 14.3923, 10.4265

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.9620, 15.0801, 4.6542 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(140, 101, 46)` looks like.

```
.text, #text, p{  
    color:rgb(140, 101, 46)  
}
```

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(140, 101, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 101, 46) }
```

Border

The CSS property to change the border of an element to XYZ 15.9620, 15.0801, 4.6542 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(140, 101, 46) }
```


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

```
.border{ border-color:rgb(140, 101, 46) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 101, 46)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 101, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 101, 46);  
box-shadow:4px 4px 4px 4px rgb(140, 101,  
46) }
```

Background

The CSS property to change the background color of an element to XYZ 15.9620, 15.0801, 4.6542 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 101, 46) }
```

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

```
.background{ background-color: rgb(140,  
101, 46) }
```

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