

Converting Colors

XYZ(20.1005, 15.8842, 18.6953)

Have a look what the booklet for
XYZ(20.1005, 15.8842, 18.6953)
contains.

XYZ(20.1625, 15.9652, 18.8485)	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(20.1625, 15.9652,
18.8485)**

Conversions

Conversions Part 1

Format	Color
Hex	985E75
RGB	152, 94, 117
RGB Percent	60%, 37%, 46%
CMY	0.4039, 0.6314, 0.5412
CMYK	0.00, 0.38, 0.23, 0.40
HSL	336°, 24%, 48%
HSV	336°, 38%, 60%
XYZ	20.1625, 15.9652, 18.8485
YIQ	113.9640, 27.1850, 19.4490

Conversions

Conversions Part 2

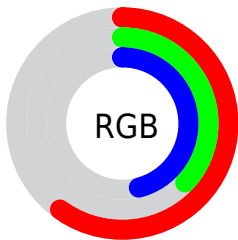
Format	Color
R_{YB}	152, 94, 117
Decimal	9985653
CIE _{Lab}	46.93, 26.95, -2.97
CIE _{LCh}	47, 27.116, 353.720
Yxy	15.9652, 0.3667, 0.2904
Android (android.graphics.Color)	4288175733 (0xFF985E75)
YUV	113.9640, 1.4967, 33.3576
Hunter-Lab	39.9565, 20.1493, 0.0009

Details

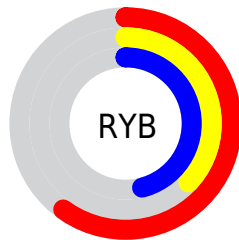
The XYZ color **20.1625, 15.9652, 18.8485** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **19.8075, 26.4216, 24.8262**, and the grayscale version is **15.9738, 16.8057, 18.3014**.

A 20% lighter version of the original color is **43.0190, 36.3808, 42.2910**, and **7.1968, 5.0363, 6.2230** is the 20% darker color. If you saturate the color by 10%, you get **18.4284, 13.3182, 15.7387**, and if you desaturate by 10%, it is **22.2165, 19.1672, 22.3261**.

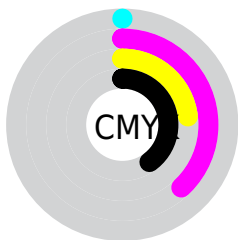
Distribution



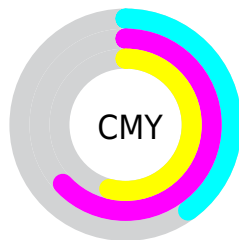
- Red (60%)
- Green (37%)
- Blue (46%)



- Red (60%)
- Yellow (37%)
- Blue (46%)



- Cyan (0%)
- Magenta (38%)
- Yellow (23%)
- Black (40%)



- Cyan (40%)
- Magenta (63%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.1625, 15.9652, 18.8485 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 20.1625, 15.9652, 18.8485 by changing the saturation by 10% instead.

■ 20.1625, 15.9652,
18.8485

■ 20.1625, 15.9652,
18.8485

245.6103,
229.1363, 258.0059

■ 12.6222, 9.4995,
11.3852

■ 43.1913, 36.5378,
42.3112

■ 7.2441, 5.0684,
6.2091

■ 59.4105, 51.4135,
59.1477

■ 3.6629, 2.2875,
2.9018

■ 79.2534, 69.8613,
79.9456

■ 1.5133, 0.7671,
1.0447

■ 103.0853, 92.2657,
105.1235

■ 0.3348, 0.0000,
0.0000

131.2716,
119.0110, 135.1000

■ 0.0000, 0.0000,
0.0000

164.1776,

150.4816, 170.2935

202.1687,
187.0619, 211.1226

■ 20.1625, 15.9652,
18.8485

■ 20.1625, 15.9652,
18.8485

■ 18.4284, 13.3182,
15.7387

■ 22.2165, 19.1672,
22.3261

■ 16.9958, 11.1920,
12.9825

■ 24.6050, 22.9513,
26.1830

■ 15.8460, 9.5519,
10.5661

■ 27.3432, 27.3457,
30.4313

■ 14.9579, 8.3583,
8.4743

■ 30.4449, 32.3759,
35.0823

■ 14.3070, 7.5649,
6.6902

■ 33.9233, 38.0661,
40.1467

■ 13.8479, 7.0837,
5.1895

■ 37.7908, 44.4390,
45.6349

■ 13.7717, 7.0045,
4.9387

■ 42.0593, 51.5165,
51.5569

■ 46.7400, 59.3193,
57.9221

■ 51.8439, 67.8674,
64.7401

Harmonies

Analogous

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



19.1467, 15.9652, 26.2927



20.1625, 15.9652, 18.8485



19.7339, 15.9652, 12.6499

Triad

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



20.1625, 15.9652, 18.8485



13.4164, 15.9652, 7.9729



12.6376, 15.9652, 30.1492

Complementary

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



20.1625, 15.9652, 18.8485



19.8075, 26.4216, 24.8262

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.



11.3776, 15.9652, 23.1711



20.1625, 15.9652, 18.8485



11.7935, 15.9652, 10.7553

Square

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



20.1625, 15.9652, 18.8485



15.6777, 15.9652, 7.3799



11.0854, 15.9652, 15.9962



14.6820, 15.9652, 33.8237

Rectangle

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



20.1625, 15.9652, 18.8485



18.7069, 15.9652, 9.8418



11.0854, 15.9652, 15.9962



12.1172, 15.9652, 28.0369

Sweetspot

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



20.1630, 15.9660, 18.8488



46.7179, 45.7781, 51.3459



18.6938, 14.9248, 31.6014



10.4809, 10.1838, 11.4580



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



20.1630, 15.9660, 18.8488



32.8838, 24.0451, 28.4373



19.5079, 16.5604, 12.7590



6.3052, 6.2612, 6.9872



11.5617, 5.8789, 4.2171



0.1900, 0.0948, 0.1535

Inverse Universe

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



20.1630, 15.9660, 18.8488



32.8838, 24.0451, 28.4373



20.5939, 25.2666, 33.4974



6.3052, 6.2612, 6.9872



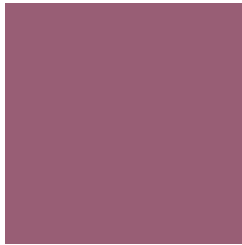
11.5617, 5.8789, 4.2171



0.1900, 0.0948, 0.1535

Previews

White Background



This preview shows how the XYZ color 20.1625, 15.9652, 18.8485 looks on a white background.

Color Contrast Check

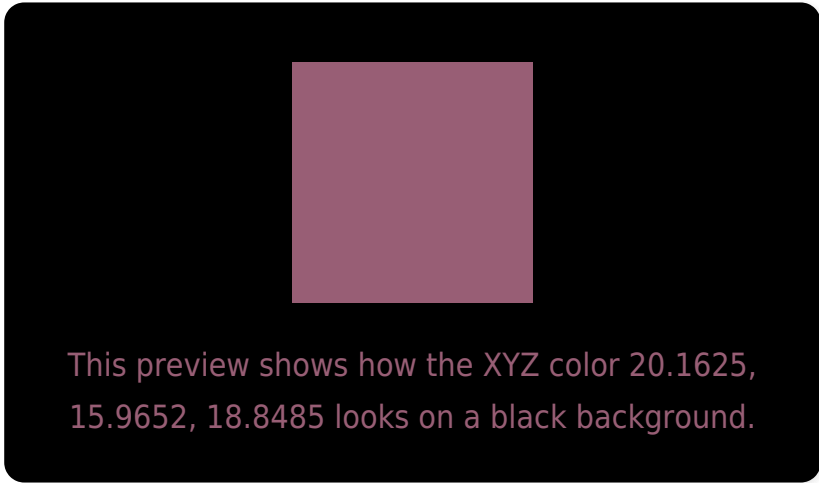
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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 20.1625, 15.9652, 18.8485

Background



This preview shows how black text looks on a background with the XYZ color 20.1625, 15.9652, 18.8485.



This preview shows how white text looks on a background with the XYZ color 20.1625, 15.9652,

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

20.1625, 15.9652, 18.8485

Protanopia

15.8219, 16.1524, 22.3625

Deuteranopia

16.2850, 16.0050, 18.1505



Tritanopia

19.4441, 15.9445, 15.1495

Trichromacy



Original Color

20.1625, 15.9652, 18.8485

Protanomaly

17.0842, 15.8932, 20.9061

Deuteranomaly

17.4605, 15.8438, 18.3576

Tritanomaly

19.6150, 15.8679, 16.4970

Monochromacy



Original Color

20.1625, 15.9652, 18.8485

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

17.2543, 16.3424, 18.4647

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.1625, 15.9652, 18.8485 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(152, 94, 117)` looks like.

```
.text, #text, p{  
    color:rgb(152, 94, 117)  
}
```

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(152, 94, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 94, 117) }
```

Border

The CSS property to change the border of an element to XYZ 20.1625, 15.9652, 18.8485 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(152, 94, 117) }
```


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

```
.border{ border-color:rgb(152, 94, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 94, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 94, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 94, 117);  
box-shadow:4px 4px 4px 4px rgb(152, 94,  
117) }
```

Background

The CSS property to change the background color of an element to XYZ 20.1625, 15.9652, 18.8485 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 94, 117) }
```

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

```
.background{ background-color: rgb(152, 94,  
117) }
```

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