

Converting Colors

XYZ(20.3664, 17.4854, 15.2477)

Have a look what the booklet for
XYZ(20.3664, 17.4854, 15.2477)
contains.

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Color

**XYZ(20.2473, 17.3552,
15.1147)**

Conversions

Conversions Part 1

Format	Color
Hex	986767
RGB	152, 103, 103
RGB Percent	60%, 40%, 40%
CMY	0.4039, 0.5961, 0.5961
CMYK	0.00, 0.32, 0.32, 0.40
HSL	0°, 19%, 50%
HSV	0°, 32%, 60%
XYZ	20.2473, 17.3552, 15.1147
YIQ	117.6510, 29.2040, 10.3880

Conversions

Conversions Part 2

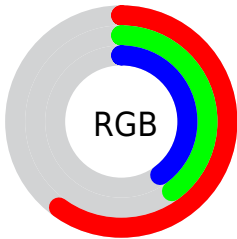
Format	Color
R_{YB}	152, 103, 103
Decimal	9987943
CIE _{Lab}	48.70, 19.72, 8.00
CIE _{LCh}	49, 21.280, 22.092
Yxy	17.3552, 0.3841, 0.3292
Android (android.graphics.Color)	4288178023 (0xFF986767)
YUV	117.6510, -7.2229, 30.1241
Hunter-Lab	41.6596, 13.8500, 7.6504

Details

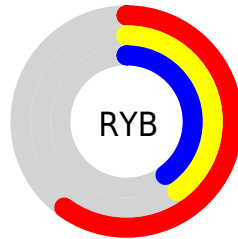
The XYZ color **20.2473, 17.3552, 15.1147** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **22.4887, 27.6059, 33.8489**, and the grayscale version is **17.1267, 18.0186, 19.6223**.

A 20% lighter version of the original color is **43.1205, 38.7097, 35.7709**, and **7.2256, 5.6705, 4.4551** is the 20% darker color. If you saturate the color by 10%, you get **18.1758, 14.3242, 10.9962**, and if you desaturate by 10%, it is **22.7332, 20.9930, 20.0560**.

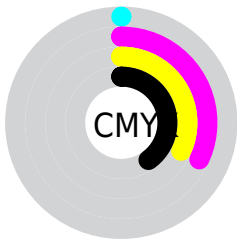
Distribution



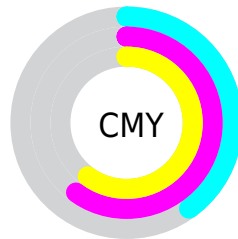
- Red (60%)
- Green (40%)
- Blue (40%)



- Red (60%)
- Yellow (40%)
- Blue (40%)



- Cyan (0%)
- Magenta (32%)
- Yellow (32%)
- Black (40%)



- Cyan (40%)
- Magenta (60%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.2473, 17.3552, 15.1147 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 20.2473, 17.3552, 15.1147 by changing the saturation by 10% instead.

■ 20.2473, 17.3552,
15.1147

■ 20.2473, 17.3552,
15.1147

246.0589,
237.2111, 235.7241

■ 12.6842, 10.4881,
8.7524

■ 43.3322, 38.9355,
35.7994

■ 7.2870, 5.7237,
4.4854

■ 59.5847, 54.4174,
50.9589

■ 3.6901, 2.6778,
1.8953

■ 79.4645, 73.5398,
69.8879

■ 1.5284, 0.9659,
0.4897

■ 103.3368, 96.6869,
93.0049

■ 0.3450, 0.0000,
0.0000

131.5671,
124.2432, 120.7285

■ 0.0000, 0.0000,
0.0000

164.5206,

156.5930, 153.4772

202.5628,
194.1209, 191.6695

■ 20.2473, 17.3552,
15.1147

■ 20.2473, 17.3552,
15.1147

■ 18.1758, 14.3242,
10.9962

■ 22.7332, 20.9930,
20.0560

■ 16.4950, 11.8647,
7.6549

■ 25.6529, 25.2653,
25.8604

■ 15.1808, 9.9415,
5.0423


■ 29.0263, 30.2014,
32.5665


■ 14.2058, 8.5148,
3.1042


■ 32.8714, 35.8279,
40.2106


■ 13.5389, 7.5388,
1.7785


■ 37.2055, 42.1698,
48.8268


 13.1432, 6.9598,
0.9921

 42.0448, 49.2511,
58.4476

 12.9490, 6.6756,
0.6060

 47.4050, 57.0945,
69.1038

 53.3010, 65.7218,
80.8252

 59.7470, 75.1539,
93.6400

Harmonies

Analogous

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



20.5252, 17.3552, 20.4239



20.2473, 17.3552, 15.1147



18.9258, 17.3552, 11.5846

Triad

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



20.2473, 17.3552, 15.1147



13.6923, 17.3552, 13.0013



15.9816, 17.3552, 31.7586

Complementary

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



20.2473, 17.3552, 15.1147



22.4887, 27.6059, 33.8489

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.



14.2828, 17.3552, 28.7772



20.2473, 17.3552, 15.1147



13.0313, 17.3552, 17.4479

Square

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



20.2473, 17.3552, 15.1147



15.1159, 17.3552, 10.5438



13.2386, 17.3552, 23.2625



17.9568, 17.3552, 30.7916

Rectangle

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



20.2473, 17.3552, 15.1147



17.6840, 17.3552, 10.3619



13.2386, 17.3552, 23.2625



15.3616, 17.3552, 31.1671

Sweetspot

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



20.2478, 17.3560, 15.1150



46.4297, 46.2781, 47.9316



23.4667, 18.6430, 32.0673



10.3866, 10.2750, 10.5636



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.



20.2478, 17.3560, 15.1150



32.9225, 26.5132, 21.0797



23.0512, 22.9630, 16.0495



6.2088, 6.2228, 6.4797



10.8575, 5.5974, 0.5082



0.1623, 0.0837, 0.0076

Inverse Universe

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



22.4887, 27.6059, 33.8489



37.5358, 47.6138, 59.6457



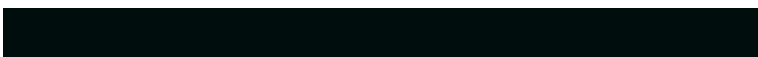
18.9152, 20.4589, 32.6577



6.3846, 7.0265, 7.9487



14.1653, 20.7272, 28.1619



0.2118, 0.3099, 0.4210

Previews

White Background



This preview shows how the XYZ color 20.2473, 17.3552, 15.1147 looks on a white background.

Color Contrast Check

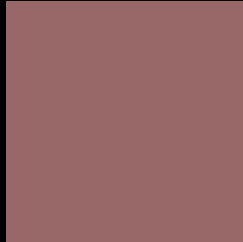
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.2473, 17.3552, 15.1147 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 20.2473, 17.3552, 15.1147

Background



This preview shows how black text looks on a background with the XYZ color 20.2473, 17.3552, 15.1147.

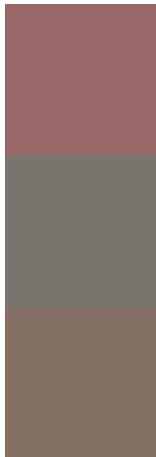


This preview shows how white text looks on a background with the XYZ color 20.2473, 17.3552,

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

20.2473, 17.3552, 15.1147

Protanopia

16.8056, 17.6096, 17.2651

Deuteranopia

17.8160, 17.5145, 14.7535



Tritanopia

20.7027, 17.4008, 17.0194

Trichromacy



Original Color

20.2473, 17.3552, 15.1147

Protanomaly

17.8540, 17.3359, 16.3151

Deuteranomaly

18.6821, 17.4720, 14.9582

Tritanomaly

20.5421, 17.3366, 16.1735

Monochromacy



Original Color

20.2473, 17.3552, 15.1147

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

18.0917, 17.7483, 18.0950

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.2473, 17.3552, 15.1147 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, 103, 103)` looks like.

```
.text, #text, p{  
    color:rgb(152, 103, 103)  
}
```

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, 103, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 103, 103) }
```

Border

The CSS property to change the border of an element to XYZ 20.2473, 17.3552, 15.1147 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, 103, 103) }
```


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

```
.border{ border-color:rgb(152, 103, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 103, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 103, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 103, 103);  
box-shadow:4px 4px 4px 4px rgb(152, 103,  
103) }
```

Background

The CSS property to change the background color of an element to XYZ 20.2473, 17.3552, 15.1147 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 103, 103) }
```

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

```
.background{ background-color: rgb(152,  
103, 103) }
```

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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