

Converting Colors

XYZ(20.5508, 17.3382, 17.8260)

Have a look what the booklet for
XYZ(20.5508, 17.3382, 17.8260)
contains.

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Color

**XYZ(20.4945, 17.2743,
17.8769)**

Conversions

Conversions Part 1

Format	Color
Hex	976671
RGB	151, 102, 113
RGB Percent	59%, 40%, 44%
CMY	0.4078, 0.6000, 0.5569
CMYK	0.00, 0.32, 0.25, 0.41
HSL	347°, 19%, 50%
HSV	347°, 32%, 59%
XYZ	20.4945, 17.2743, 17.8769
YIQ	117.9050, 25.6730, 13.8090

Conversions

Conversions Part 2

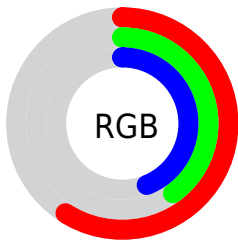
Format	Color
R_{YB}	151, 102, 113
Decimal	9922161
CIE Lab	48.60, 21.36, 1.87
CIE LCh	49, 21.443, 5.005
Yxy	17.2743, 0.3683, 0.3104
Android (android.graphics.Color)	4288112241 (0xFF976671)
YUV	117.9050, -2.4182, 29.0243
Hunter-Lab	41.5624, 15.2846, 3.5917

Details

The XYZ color **20.4945, 17.2743, 17.8769** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **21.2804, 26.8519, 28.8736**, and the grayscale version is **17.1923, 18.0876, 19.6974**.

A 20% lighter version of the original color is **43.6364, 38.6209, 40.7520**, and **7.4189, 5.6726, 5.7049** is the 20% darker color. If you saturate the color by 10%, you get **18.5262, 14.3254, 14.1752**, and if you desaturate by 10%, it is **22.8192, 20.7995, 22.1176**.

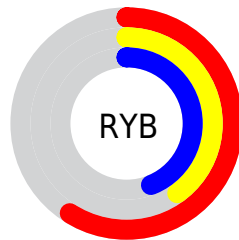
Distribution



Red (59%)

Green (40%)

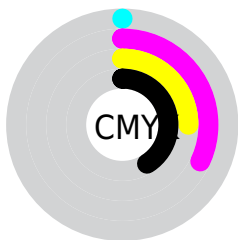
Blue (44%)



Red (59%)

Yellow (40%)

Blue (44%)

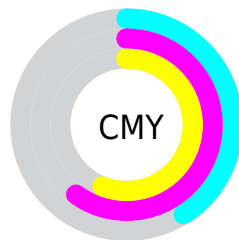


Cyan (0%)

Magenta (32%)

Yellow (25%)

Black (41%)



Cyan (41%)

Magenta (60%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.4945, 17.2743, 17.8769 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 20.4945, 17.2743, 17.8769 by changing the saturation by 10% instead.

■ 20.4945, 17.2743,
17.8769

■ 20.4945, 17.2743,
17.8769

247.3626,
236.7482, 252.3890

■ 12.8654, 10.4303,
10.6931

■ 43.7424, 38.7968,
40.6386

■ 7.4123, 5.6852,
5.7493

■ 60.0918, 54.2440,
57.0535

■ 3.7698, 2.6546,
2.6269

■ 80.0787, 73.3278,
77.3826

■ 1.5728, 0.9542,
0.9063

■ 104.0684, 96.4325,
102.0444

■ 0.3746, 0.0000,
0.0000

132.4263,
123.9424, 131.4574

■ 0.0000, 0.0000,
0.0000

165.5177,

156.2421, 166.0401

203.7080,
193.7159, 206.2112

■ 20.4945, 17.2743,
17.8769

■ 20.4945, 17.2743,
17.8769

■ 18.5262, 14.3254,
14.1752

■ 22.8192, 20.7995,
22.1176

■ 16.8948, 11.9198,
10.9895

■ 25.5155, 24.9268,
26.9169

■ 15.5815, 10.0246,
8.2966

■ 28.5995, 29.6838,
32.2946

■ 14.5645, 8.6025,
6.0714

■ 32.0857, 35.0952,
38.2694

■ 13.8196, 7.6112,
4.2860

■ 35.9882, 41.1846,
44.8589

■ 13.3181, 7.0005,
2.9094

■ 40.3201, 47.9744,
52.0801

■ 13.0497, 6.6942,
2.1095

■ 45.0941, 55.4860,
59.9494

■ 50.3223, 63.7398,
68.4826

■ 56.0164, 72.7555,
77.6947

Harmonies

Analogous

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



20.1020, 17.2743, 23.7822



20.4945, 17.2743, 17.8769



19.7256, 17.2743, 13.2402

Triad

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



20.4945, 17.2743, 17.8769



14.3376, 17.2743, 11.2403



14.8676, 17.2743, 30.4720

Complementary

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



20.4945, 17.2743, 17.8769



21.2804, 26.8519, 28.8736

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.



13.5037, 17.2743, 25.7537



20.4945, 17.2743, 17.8769



13.2153, 17.2743, 14.5820

Square

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



20.4945, 17.2743, 17.8769



16.0900, 17.2743, 9.9300



12.9226, 17.2743, 19.7725



16.7518, 17.2743, 31.8382

Rectangle

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



20.4945, 17.2743, 17.8769



18.6915, 17.2743, 11.2396



12.9226, 17.2743, 19.7725



14.3381, 17.2743, 29.1848

Sweetspot

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



20.4950, 17.2751, 17.8772



46.8750, 46.4558, 50.2780



21.0802, 17.2759, 31.5018



10.4988, 10.3198, 11.1549



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.



20.4950, 17.2751, 17.8772



34.0579, 26.9663, 27.0621



21.2997, 19.8161, 15.2737



6.2628, 6.2443, 6.7638



11.1111, 5.6987, 1.8439



0.1780, 0.0899, 0.0902

Inverse Universe

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



20.4950, 17.2751, 17.8772



34.0579, 26.9663, 27.0621



20.1450, 23.2176, 32.6979



6.2628, 6.2443, 6.7638



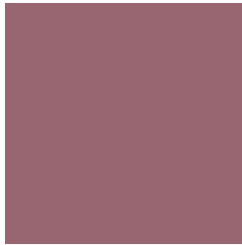
11.1111, 5.6987, 1.8439



0.1780, 0.0899, 0.0902

Previews

White Background



This preview shows how the XYZ color 20.4945, 17.2743, 17.8769 looks on a white background.

Color Contrast Check

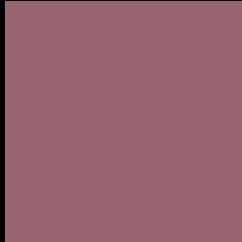
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.4945, 17.2743, 17.8769 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 20.4945, 17.2743, 17.8769

Background



This preview shows how black text looks on a background with the XYZ color 20.4945, 17.2743, 17.8769.



This preview shows how white text looks on a background with the XYZ color 20.4945, 17.2743,

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

20.4945, 17.2743, 17.8769

Protanopia

16.7844, 17.3549, 20.5544

Deuteranopia

17.7167, 17.4032, 17.4643



Tritanopia

20.3283, 17.2078, 17.0019

Trichromacy



Original Color

20.4945, 17.2743, 17.8769

Protanomaly

17.8992, 17.1270, 19.5020

Deuteranomaly

18.6037, 17.2133, 17.6712

Tritanomaly

20.3831, 17.2297, 17.2903

Monochromacy



Original Color

20.4945, 17.2743, 17.8769

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

18.1525, 17.5951, 18.9625

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.4945, 17.2743, 17.8769 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(151, 102, 113)` looks like.

```
.text, #text, p{  
    color:rgb(151, 102, 113)  
}
```

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(151, 102, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 102, 113) }
```

Border

The CSS property to change the border of an element to XYZ 20.4945, 17.2743, 17.8769 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(151, 102, 113) }
```


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

```
.border{ border-color:rgb(151, 102, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 102, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 102, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 102, 113);  
box-shadow:4px 4px 4px 4px rgb(151, 102,  
113) }
```

Background

The CSS property to change the background color of an element to XYZ 20.4945, 17.2743, 17.8769 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 102, 113) }
```

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

```
.background{ background-color: rgb(151,  
102, 113) }
```

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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