

Converting Colors

XYZ(20.9397, 20.3226, 17.6807)

Have a look what the booklet for
XYZ(20.9397, 20.3226, 17.6807)
contains.

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Color

**XYZ(20.9129, 20.2487,
17.5580)**

Conversions

Conversions Part 1

Format	Color
Hex	90776E
RGB	144, 119, 110
RGB Percent	56%, 47%, 43%
CMY	0.4353, 0.5333, 0.5686
CMYK	0.00, 0.17, 0.24, 0.44
HSL	16°, 13%, 50%
HSV	16°, 24%, 56%
XYZ	20.9129, 20.2487, 17.5580
YIQ	125.4490, 17.7890, 2.5010

Conversions

Conversions Part 2

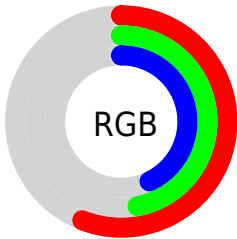
Format	Color
RYB	144, 122, 110
Decimal	9467758
CIELab	52.12, 8.24, 8.58
CIElCh	52, 11.901, 46.156
Yxy	20.2487, 0.3561, 0.3448
Android (android.graphics.Color)	4287657838 (0xFF90776E)
YUV	125.4490, -7.6164, 16.2692
Hunter-Lab	44.9986, 4.2097, 8.3646

Details

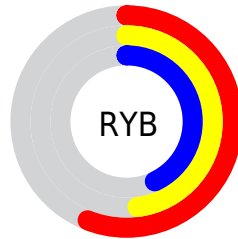
The XYZ color **20.9129, 20.2487, 17.5580** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **20.1283, 22.6560, 29.6979**, and the grayscale version is **19.6656, 20.6897, 22.5311**.

A 20% lighter version of the original color is **44.3732, 43.7402, 40.2864**, and **7.6369, 7.1814, 5.5411** is the 20% darker color. If you saturate the color by 10%, you get **19.0012, 17.5797, 13.3620**, and if you desaturate by 10%, it is **23.0935, 23.2513, 22.4728**.

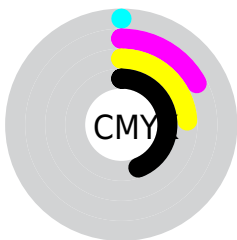
Distribution



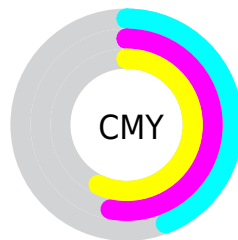
- Red (56%)
- Green (47%)
- Blue (43%)



- Red (56%)
- Yellow (48%)
- Blue (43%)



- Cyan (0%)
- Magenta (17%)
- Yellow (24%)
- Black (44%)



- Cyan (44%)
- Magenta (53%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.9129, 20.2487, 17.5580 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 20.9129, 20.2487, 17.5580 by changing the saturation by 10% instead.

■ 20.9129, 20.2487,
17.5580

■ 20.9129, 20.2487,
17.5580

249.5557,
253.2583, 250.5197

■ 13.1724, 12.5760,
10.4670

■ 44.4349, 43.8338,
40.0864

■ 7.6252, 7.1372,
5.6000

■ 60.9472, 60.5149,
56.3609

■ 3.9059, 3.5481,
2.5386

■ 81.1141, 80.9675,
76.5336

■ 1.6490, 1.4241,
0.8605

■ 105.3010,
105.5762, 101.0231

■ 0.4240, 0.2344,
0.0000

133.8732,
134.7252, 130.2479

■ 0.0000, 0.0000,
0.0000

167.1962,

168.7989, 164.6266

205.6353,
208.1818, 204.5777

■ 20.9129, 20.2487,
17.5580

■ 20.9129, 20.2487,
17.5580

■ 19.0012, 17.5797,
13.3620

■ 23.0935, 23.2513,
22.4728

■ 17.3461, 15.2299,
9.8495

■ 25.5514, 26.5958,
28.1367

■ 15.9367, 13.1879,
6.9845

■ 28.2969, 30.2935,
34.5800

■ 14.7604, 11.4405,
4.7266

■ 31.3389, 34.3546,
41.8306

■ 13.8037, 9.9736,
3.0313

■ 34.6862, 38.7887,
49.9154

■ 13.0516, 8.7719,
1.8478

■ 38.3472, 43.6050,
58.8598

■ 12.4864, 7.8182,
1.1152

■ 42.3297, 48.8126,
68.6882

■ 12.1989, 7.3238,
0.7707

■ 46.6415, 54.4201,
79.4241

■ 51.2901, 60.4358,
91.0899

Harmonies

Analogous

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



21.5824, 20.2487, 20.2345



20.9129, 20.2487, 17.5580



19.8112, 20.2487, 16.1588

Triad

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



20.9129, 20.2487, 17.5580



17.0617, 20.2487, 20.4821



19.9044, 20.2487, 29.1323

Complementary

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



20.9129, 20.2487, 17.5580



20.1283, 22.6560, 29.6979

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.



18.6912, 20.2487, 29.2166



20.9129, 20.2487, 17.5580



17.0842, 20.2487, 23.9655

Square

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



20.9129, 20.2487, 17.5580



17.6067, 20.2487, 17.7228



17.6697, 20.2487, 27.2434



20.9835, 20.2487, 27.0238

Rectangle

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



20.9129, 20.2487, 17.5580



18.9959, 20.2487, 16.0323



17.6697, 20.2487, 27.2434



19.4978, 20.2487, 29.4053

Sweetspot

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



20.9134, 20.2496, 17.5584



43.4779, 44.7542, 45.9427



21.4862, 18.8448, 25.6119



9.9201, 10.1947, 10.4194



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



20.9134, 20.2496, 17.5584



35.1543, 33.3062, 27.1404



23.0502, 24.5231, 18.2707



5.5178, 5.6419, 5.6876



10.6402, 6.4122, 0.6769



0.1177, 0.0933, 0.0118

Inverse Universe

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



20.1283, 22.6560, 29.6979



33.5339, 38.2602, 52.1556



18.0022, 18.4038, 28.9892



5.4411, 5.8780, 6.8766



8.8802, 10.7464, 24.5833



0.1030, 0.1389, 0.2411

Previews

White Background



This preview shows how the XYZ color 20.9129, 20.2487, 17.5580 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 20.9129, 20.2487, 17.5580 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 20.9129, 20.2487, 17.5580

Background



This preview shows how black text looks on a background with the XYZ color 20.9129, 20.2487, 17.5580.



This preview shows how white text looks on a background with the XYZ color 20.9129, 20.2487,

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

20.9129, 20.2487, 17.5580

Protanopia

19.2415, 20.2747, 18.5221

Deuteranopia

20.6863, 20.3095, 17.5817



Tritanopia

21.9812, 20.3399, 22.5061

Trichromacy



Original Color

20.9129, 20.2487, 17.5580

Protanomaly

19.7157, 20.1573, 18.1808

Deuteranomaly

20.8586, 20.3984, 17.5898

Tritanomaly

21.5457, 20.3327, 20.5583

Monochromacy



Original Color

20.9129, 20.2487, 17.5580

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

19.9888, 20.4275, 20.6587

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.9129, 20.2487, 17.5580 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(144, 119, 110)` looks like.

```
.text, #text, p{  
    color:rgb(144, 119, 110)  
}
```

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(144, 119, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 119, 110) }
```

Border

The CSS property to change the border of an element to XYZ 20.9129, 20.2487, 17.5580 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(144, 119, 110) }
```


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

```
.border{ border-color:rgb(144, 119, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 119, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 119, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 119, 110);  
box-shadow:4px 4px 4px 4px rgb(144, 119,  
110) }
```

Background

The CSS property to change the background color of an element to XYZ 20.9129, 20.2487, 17.5580 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 119, 110) }
```

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

```
.background{ background-color: rgb(144,  
119, 110) }
```

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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