

Converting Colors

XYZ(20.1640, 20.2082, 9.7833)

Have a look what the booklet for
XYZ(20.1640, 20.2082, 9.7833)
contains.

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Color

**XYZ(20.2688, 20.2647,
9.8644)**

Conversions

Conversions Part 1

Format	Color
Hex	94784D
RGB	148, 120, 77
RGB Percent	58%, 47%, 30%
CMY	0.4196, 0.5294, 0.6980
CMYK	0.00, 0.19, 0.48, 0.42
HSL	36°, 32%, 44%
HSV	36°, 48%, 58%
XYZ	20.2688, 20.2647, 9.8644
YIQ	123.4700, 30.4910, -7.4370

Conversions

Conversions Part 2

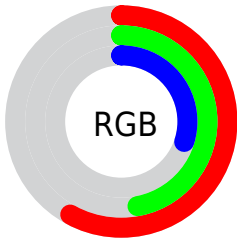
Format	Color
R_{YB}	123, 148, 77
Decimal	9730125
CIE _{Lab}	52.14, 5.04, 27.65
CIE _{LCh}	52, 28.104, 79.678
Yxy	20.2647, 0.4022, 0.4021
Android (android.graphics.Color)	4287920205 (0xFF94784D)
YUV	123.4700, -22.9097, 21.5128
Hunter-Lab	45.0163, 1.5918, 18.5193

Details

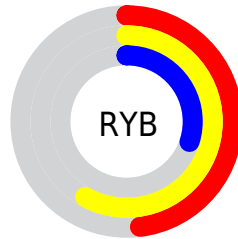
The XYZ color **20.2688, 20.2647, 9.8644** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **13.4573, 13.8186, 29.9749**, and the grayscale version is **19.0490, 20.0411, 21.8247**.

A 20% lighter version of the original color is **43.4851, 43.8747, 26.2554**, and **7.2840, 7.1666, 2.2957** is the 20% darker color. If you saturate the color by 10%, you get **19.1241, 18.7185, 7.1916**, and if you desaturate by 10%, it is **21.5762, 21.9459, 13.1786**.

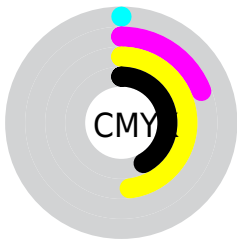
Distribution



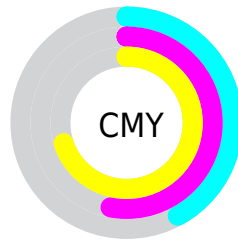
- Red (58%)
- Green (47%)
- Blue (30%)



- Red (48%)
- Yellow (58%)
- Blue (30%)



- Cyan (0%)
- Magenta (19%)
- Yellow (48%)
- Black (42%)



- Cyan (42%)
- Magenta (53%)
- Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.2688, 20.2647, 9.8644 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 20.2688, 20.2647, 9.8644 by changing the saturation by 10% instead.

■ 20.2688, 20.2647,
9.8644

■ 20.2688, 20.2647,
9.8644

246.1725,
253.3445, 200.1510

■ 12.7000, 12.5876,
5.2047

■ 43.3679, 43.8605,
26.1440

■ 7.2979, 7.1452,
2.3070

■ 59.6289, 60.5480,
38.6009

■ 3.6970, 3.5531,
0.7352

■ 79.5180, 81.0078,
54.4940

■ 1.5322, 1.4268,
0.0000

■ 103.4006,
105.6243, 74.2418

■ 0.3476, 0.2364,
0.0000

■ 131.6419,
134.7818, 98.2629

■ 0.0000, 0.0000,
0.0000

164.6075,

168.8647, 126.9758

202.6626,
208.2575, 160.7990

■ 20.2688, 20.2647,
9.8644

■ 20.2688, 20.2647,
9.8644

■ 19.1241, 18.7185,
7.1916

■ 21.5762, 21.9459,
13.1786

■ 18.1316, 17.2997,
5.1155

■ 23.0530, 23.7638,
17.1721

■ 17.2820, 16.0041,
3.5880

■ 24.7072, 25.7234,
21.8814

■ 16.5637, 14.8257,
2.5524

■ 26.5457, 27.8286,
27.3400

■ 15.9553, 13.7547,
1.9002

■ 28.5753, 30.0833,
33.5793

■ 15.8387, 13.5478,
1.7802

■ 30.8020, 32.4909,
40.6289

■ 33.2319, 35.0549,
48.5167

■ 35.8707, 37.7786,
57.2694

■ 38.7237, 40.6651,
66.9126

Harmonies

Analogous

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



23.0651, 20.2647, 12.0595



20.2688, 20.2647, 9.8644



17.4584, 20.2647, 10.2605

Triad

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



20.2688, 20.2647, 9.8644



14.5095, 20.2647, 27.8385



23.7918, 20.2647, 33.9799

Complementary

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



20.2688, 20.2647, 9.8644



13.4573, 13.8186, 29.9749

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.



21.1836, 20.2647, 40.5868



20.2688, 20.2647, 9.8644



15.9000, 20.2647, 36.4745

Square

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



20.2688, 20.2647, 9.8644



14.3171, 20.2647, 19.3473



18.2872, 20.2647, 41.5988



25.2291, 20.2647, 25.0255

Rectangle

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



20.2688, 20.2647, 9.8644



15.9419, 20.2647, 11.9833



18.2872, 20.2647, 41.5988



23.0115, 20.2647, 36.6345

Sweetspot

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



20.2693, 20.2657, 9.8648



44.7540, 46.7290, 42.0081



17.4372, 12.6320, 14.9921



10.0733, 10.5022, 9.1686



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



20.2693, 20.2657, 9.8648



33.5221, 32.7194, 12.2012



22.8970, 27.3696, 11.0975



6.0754, 6.3646, 6.1487



13.5558, 11.6260, 1.5296



0.1947, 0.1999, 0.0283

Inverse Universe

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



13.4573, 13.8186, 29.9749



19.9830, 19.9237, 52.2270



11.6645, 9.3356, 29.2041



5.6759, 5.9858, 7.3260



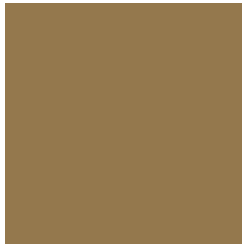
5.8988, 4.4924, 24.4873



0.0995, 0.1097, 0.3088

Previews

White Background



This preview shows how the XYZ color 20.2688, 20.2647, 9.8644 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 20.2688, 20.2647, 9.8644 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

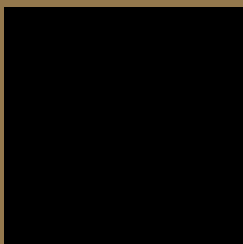
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.2688, 20.2647, 9.8644

Background



This preview shows how black text looks on a background with the XYZ color 20.2688, 20.2647, 9.8644.



This preview shows how white text looks on a background with the XYZ color 20.2688, 20.2647,

9.8644.

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

20.2688, 20.2647, 9.8644

Protanopia

18.8982, 20.4660, 10.3514

Deuteranopia

20.6989, 20.3088, 9.8502



Tritanopia

22.5414, 20.1401, 21.4383

Trichromacy



Original Color

20.2688, 20.2647, 9.8644

Protanomaly

19.2733, 20.2914, 10.1086

Deuteranomaly

20.5141, 20.2135, 9.8416

Tritanomaly

21.6094, 20.1107, 16.3785

Monochromacy



Original Color

20.2688, 20.2647, 9.8644

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

19.0768, 19.8652, 16.4646

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.2688, 20.2647, 9.8644 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(148, 120, 77)` looks like.

```
.text, #text, p{  
    color:rgb(148, 120, 77)  
}
```

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(148, 120, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 120, 77) }
```

Border

The CSS property to change the border of an element to XYZ 20.2688, 20.2647, 9.8644 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(148, 120, 77) }
```


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

```
.border{ border-color:rgb(148, 120, 77) }
```

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

Here you see how a box with a 4 pixel rgb(148, 120, 77) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 120, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 120, 77);  
box-shadow:4px 4px 4px 4px rgb(148, 120,  
77) }
```

Background

The CSS property to change the background color of an element to XYZ 20.2688, 20.2647, 9.8644 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 120, 77) }
```

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

```
.background{ background-color: rgb(148,  
120, 77) }
```

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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