

Converting Colors

XYZ(19.7812, 20.1590, 7.0093)

Have a look what the booklet for
XYZ(19.7812, 20.1590, 7.0093)
contains.

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Color

**XYZ(19.7186, 20.0446,
6.9674)**

Conversions

Conversions Part 1	
Format	Color
Hex	94783B
RGB	148, 120, 59
RGB Percent	58%, 47%, 23%
CMY	0.4196, 0.5294, 0.7686
CMYK	0.00, 0.19, 0.60, 0.42
HSL	41°, 43%, 41%
HSV	41°, 60%, 58%
XYZ	19.7186, 20.0446, 6.9674
YIQ	121.4180, 36.2690, -13.0350

Conversions

Conversions Part 2

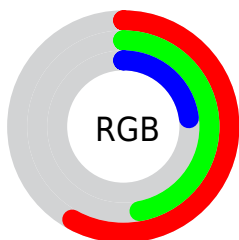
Format	Color
RYB	100, 148, 59
Decimal	9730107
CIELab	51.89, 3.37, 37.05
CIELCh	52, 37.205, 84.796
Yxy	20.0446, 0.4220, 0.4289
Android (android.graphics.Color)	4287920187 (0xFF94783B)
YUV	121.4180, -30.7721, 23.3124
Hunter-Lab	44.7712, 0.2672, 22.1130

Details

The XYZ color **19.7186, 20.0446, 6.9674** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **10.5570, 9.8839, 29.3681**, and the grayscale version is **18.3982, 19.3563, 21.0791**.

A 20% lighter version of the original color is **42.3611, 43.4251, 20.3366**, and **6.9882, 7.0363, 1.2770** is the 20% darker color. If you saturate the color by 10%, you get **18.8416, 18.8203, 5.0424**, and if you desaturate by 10%, it is **20.7326, 21.3688, 9.4755**.

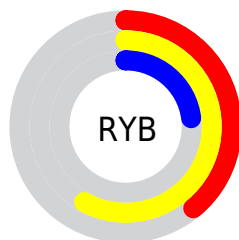
Distribution



Red (58%)

Green (47%)

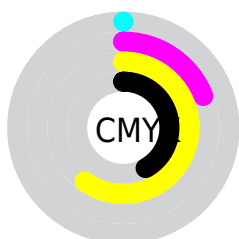
Blue (23%)



Red (39%)

Yellow (58%)

Blue (23%)

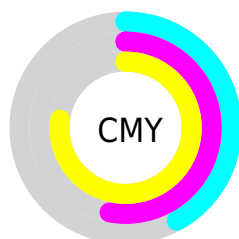


Cyan (0%)

Magenta (19%)

Yellow (60%)

Black (42%)



Cyan (42%)


Magenta (53%)


Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 19.7186, 20.0446, 6.9674 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 19.7186, 20.0446, 6.9674 by changing the saturation by 10% instead.


 19.7186, 20.0446,
6.9674


 19.7186, 20.0446,
6.9674


243.2503,
252.1565, 177.0132


 12.2977, 12.4275,
3.3636


 42.4524, 43.4919,
20.4194


 7.0204, 7.0355,
1.2831


 58.4961, 60.0910,
31.1046


 3.5213, 3.4843,
0.0479


 78.1448, 80.4527,
44.9873

 1.4351, 1.3895,
0.0000

 101.7638,
104.9616, 62.4862

 0.2810, 0.2090,
0.0000


 129.7185,
134.0020, 84.0196


 0.0000, 0.0000,
0.0000


 162.3743,


167.9584, 110.0063


200.0964,
207.2151, 140.8646


 19.7186, 20.0446,
6.9674


 19.7186, 20.0446,
6.9674

 18.8416, 18.8203,
5.0424


 20.7326, 21.3688,
9.4755


 18.0904, 17.6886,
3.6494


 21.8910, 22.7941,
12.6097

 17.4540, 16.6450,
2.7301

 23.2021, 24.3253,
16.4103

 16.9096, 15.6897,
2.1372

 24.6732, 25.9658,
20.9139

 26.3112, 27.7190,
26.1544

■ 28.1223, 29.5878,
32.1635

■ 30.1125, 31.5753,
38.9710

■ 32.2876, 33.6842,
46.6050

■ 34.6528, 35.9173,
55.0926

Harmonies

Analogous

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



23.5558, 20.0446, 8.8539



19.7186, 20.0446, 6.9674



16.1637, 20.0446, 7.8591

Triad

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



19.7186, 20.0446, 6.9674



13.1869, 20.0446, 31.7688



25.6280, 20.0446, 36.1562

Complementary

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



19.7186, 20.0446, 6.9674



10.5570, 9.8839, 29.3681

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.



22.2649, 20.0446, 46.6951



19.7186, 20.0446, 6.9674



15.1620, 20.0446, 43.6302

Square

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



19.7186, 20.0446, 6.9674



12.6924, 20.0446, 19.9912



18.4002, 20.0446, 49.8050



27.2439, 20.0446, 23.7680

Rectangle

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



19.7186, 20.0446, 6.9674



14.3766, 20.0446, 10.1371



18.4002, 20.0446, 49.8050



24.6444, 20.0446, 40.1759

Sweetspot

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



19.7191, 20.0456, 6.9678



44.0261, 46.3500, 38.4460



15.5046, 10.1151, 10.1916



9.8817, 10.3970, 8.2475



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.



19.7191, 20.0456, 6.9678



32.7838, 32.5303, 7.9860



20.8455, 26.3755, 8.1302



6.1131, 6.4400, 6.1613



14.4687, 13.4517, 1.8339



0.2036, 0.2176, 0.0313

Inverse Universe

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



10.5570, 9.8839, 29.3681



15.1911, 13.0690, 51.1565



9.8359, 6.7749, 28.8060



5.6395, 5.9130, 7.3138



5.4411, 3.5771, 24.3347



0.0907, 0.0920, 0.3059

Previews

White Background



This preview shows how the XYZ color 19.7186, 20.0446, 6.9674 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 19.7186, 20.0446, 6.9674 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 19.7186, 20.0446, 6.9674

Background



This preview shows how black text looks on a background with the XYZ color 19.7186, 20.0446, 6.9674.



This preview shows how white text looks on a background with the XYZ color 19.7186, 20.0446,

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

19.7186, 20.0446, 6.9674

Protanopia

18.3398, 20.0599, 7.1803

Deuteranopia

20.4309, 20.0554, 7.0692



Tritanopia

22.5548, 19.9877, 21.0816

Trichromacy



Original Color
19.7186, 20.0446, 6.9674

Protanomaly
18.8831, 20.1549, 7.1700

Deuteranomaly
20.1749, 20.0992, 7.0912

Tritanomaly
21.2600, 19.9709, 14.5386

Monochromacy



Original Color
19.7186, 20.0446, 6.9674

Achromatopsia
18.1737, 19.1202, 20.8219

Achromatomaly
18.4020, 19.3819, 14.3265

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.7186, 20.0446, 6.9674 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, 59) looks like.

```
.text, #text, p{  
    color:rgb(148, 120, 59)  
}
```

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, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 120, 59) }
```

Border

The CSS property to change the border of an element to XYZ 19.7186, 20.0446, 6.9674 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, 59) }
```


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

```
.border{ border-color:rgb(148, 120, 59) }
```

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, 59) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 120, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 120, 59);  
box-shadow:4px 4px 4px 4px rgb(148, 120,  
59) }
```

Background

The CSS property to change the background color of an element to XYZ 19.7186, 20.0446, 6.9674 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, 59) }
```

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

```
.background{ background-color: rgb(148,  
120, 59) }
```

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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