

Converting Colors

XYZ(21.0895, 20.7643, 18.6132)

Have a look what the booklet for
XYZ(21.0895, 20.7643, 18.6132)
contains.

XYZ(20.9733, 20.6178, 18.4970)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(20.9733, 20.6178,
18.4970)**

Conversions

Conversions Part 1

Format	Color
Hex	8E7971
RGB	142, 121, 113
RGB Percent	56%, 47%, 44%
CMY	0.4431, 0.5255, 0.5569
CMYK	0.00, 0.15, 0.20, 0.44
HSL	17°, 11%, 50%
HSV	17°, 20%, 56%
XYZ	20.9733, 20.6178, 18.4970
YIQ	126.3670, 15.0840, 1.9640

Conversions

Conversions Part 2

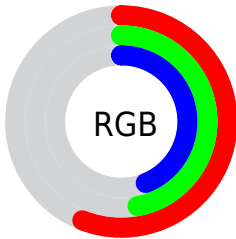
Format	Color
R_{YB}	142, 124, 113
Decimal	9337201
CIE _{Lab}	52.53, 6.76, 7.39
CIE _{LCh}	53, 10.013, 47.528
Yxy	20.6178, 0.3490, 0.3431
Android (android.graphics.Color)	4287527281 (0xFF8E7971)
YUV	126.3670, -6.5899, 13.7101
Hunter-Lab	45.4068, 2.9868, 7.6323

Details

The XYZ color **20.9733, 20.6178, 18.4970** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **20.2174, 22.5132, 28.8711**, and the grayscale version is **19.9748, 21.0150, 22.8854**.

A 20% lighter version of the original color is **44.5001, 44.3395, 41.8103**, and **7.5859, 7.2405, 5.9988** is the 20% darker color. If you saturate the color by 10%, you get **19.0522, 17.9563, 14.2163**, and if you desaturate by 10%, it is **23.1538, 23.5976, 23.4819**.

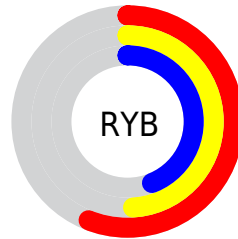
Distribution



Red (56%)

Green (47%)

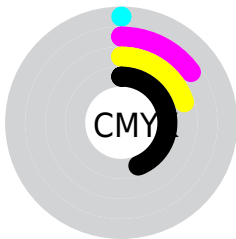
Blue (44%)



Red (56%)

Yellow (49%)

Blue (44%)

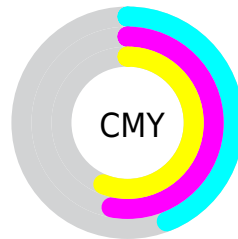


Cyan (0%)

Magenta (15%)

Yellow (20%)

Black (44%)



Cyan (44%)

Magenta (53%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.9733, 20.6178, 18.4970 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 20.9733, 20.6178, 18.4970 by changing the saturation by 10% instead.

■ 20.9733, 20.6178,
18.4970

■ 20.9733, 20.6178,
18.4970

249.8710,
255.2403, 255.9872

■ 13.2168, 12.8449,
11.1343

■ 44.5347, 44.4506,
41.7077

■ 7.6561, 7.3218,
6.0419

■ 61.0704, 61.2793,
58.3928

■ 3.9256, 3.6642,
2.8014

■ 81.2631, 81.8953,
79.0224

■ 1.6601, 1.4875,
0.9941

■ 105.4783,
106.6832, 104.0150

■ 0.4311, 0.2799,
0.0000

134.0814,
136.0272, 133.7893

■ 0.0000, 0.0000,
0.0000

167.4376,

170.3118, 168.7637

205.9123,
209.9214, 209.3568

■ 20.9733, 20.6178,
18.4970

■ 20.9733, 20.6178,
18.4970

■ 19.0522, 17.9563,
14.2163

■ 23.1538, 23.5976,
23.4819

■ 17.3788, 15.5996,
10.6065

■ 25.6015, 26.9030,
29.1995

■ 15.9432, 13.5374,
7.6336

■ 28.3258, 30.5446,
35.6784

■ 14.7339, 11.7579,
5.2601

■ 31.3352, 34.5316,
42.9453

■ 13.7383, 10.2481,
3.4446

■ 34.6378, 38.8729,
51.0255

■ 12.9428, 8.9942,
2.1401

■ 38.2414, 43.5770,
59.9433

■ 12.3317, 7.9810,
1.2919

■ 42.1535, 48.6522,
69.7220

■ 11.8870, 7.2142,
0.7660

■ 46.3813, 54.1066,
80.3837

■ 50.9318, 59.9478,
91.9500

Harmonies

Analogous

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



21.5591, 20.6178, 20.7738



20.9733, 20.6178, 18.4970



20.0301, 20.6178, 17.3248

Triad

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



20.9733, 20.6178, 18.4970



17.7144, 20.6178, 21.2391



20.2030, 20.6178, 28.3435

Complementary

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



20.9733, 20.6178, 18.4970



20.2174, 22.5132, 28.8711

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.



19.1694, 20.6178, 28.4960



20.9733, 20.6178, 18.4970



17.7570, 20.6178, 24.2125

Square

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



20.9733, 20.6178, 18.4970



18.1631, 20.6178, 18.8117



18.2815, 20.6178, 26.9279



21.1037, 20.6178, 26.5279

Rectangle

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



20.9733, 20.6178, 18.4970



19.3367, 20.6178, 17.2530



18.2815, 20.6178, 26.9279



19.8589, 20.6178, 28.5963

Sweetspot

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



20.9739, 20.6187, 18.4974



42.6258, 44.0455, 45.5795



21.3823, 19.2899, 25.2484



9.4684, 9.7671, 10.0586



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



20.9739, 20.6187, 18.4974



35.2022, 33.8973, 28.6185



22.8326, 24.3363, 19.1170



5.5225, 5.6513, 5.6891



10.6867, 6.5051, 0.6924



0.1187, 0.0952, 0.0121

Inverse Universe

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



20.2174, 22.5132, 28.8711



33.5918, 37.9222, 50.6771



18.3812, 18.8408, 28.2590



5.4362, 5.8681, 6.8749



8.7377, 10.4613, 24.5358



0.1020, 0.1370, 0.2407

Previews

White Background



This preview shows how the XYZ color 20.9733, 20.6178, 18.4970 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 20.9733, 20.6178, 18.4970 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

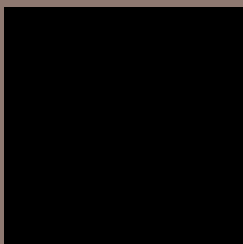
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.9733, 20.6178, 18.4970

Background



This preview shows how black text looks on a background with the XYZ color 20.9733, 20.6178, 18.4970.



This preview shows how white text looks on a background with the XYZ color 20.9733, 20.6178,

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

20.9733, 20.6178, 18.4970

Protanopia

19.6340, 20.6509, 19.1708

Deuteranopia

20.9733, 20.6178, 18.4970



Tritanopia

21.9947, 20.6815, 23.2547

Trichromacy



Original Color

20.9733, 20.6178, 18.4970

Protanomaly

20.0764, 20.6985, 18.8567

Deuteranomaly

20.9733, 20.6178, 18.4970

Tritanomaly

21.6193, 20.7026, 21.5954

Monochromacy



Original Color

20.9733, 20.6178, 18.4970

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

20.1746, 20.7013, 21.0216

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.9733, 20.6178, 18.4970 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(142, 121, 113)` looks like.

```
.text, #text, p{  
    color:rgb(142, 121, 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(142, 121, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 121, 113) }
```

Border

The CSS property to change the border of an element to XYZ 20.9733, 20.6178, 18.4970 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(142, 121, 113) }
```


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

```
.border{ border-color:rgb(142, 121, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 121, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 121, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 121, 113);  
box-shadow:4px 4px 4px 4px rgb(142, 121,  
113) }
```

Background

The CSS property to change the background color of an element to XYZ 20.9733, 20.6178, 18.4970 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 121, 113) }
```

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

```
.background{ background-color: rgb(142,  
121, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor