

Converting Colors

XYZ(20.2058, 17.7255, 12.7891)

Have a look what the booklet for
XYZ(20.2058, 17.7255, 12.7891)
contains.

XYZ(20.1642, 17.6658, 12.7030)	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(20.1642, 17.6658,
12.7030)**

Conversions

Conversions Part 1

Format	Color
Hex	99695D
RGB	153, 105, 93
RGB Percent	60%, 41%, 36%
CMY	0.4000, 0.5882, 0.6353
CMYK	0.00, 0.31, 0.39, 0.40
HSL	12°, 24%, 48%
HSV	12°, 39%, 60%
XYZ	20.1642, 17.6658, 12.7030
YIQ	117.9840, 32.4600, 6.4440

Conversions

Conversions Part 2

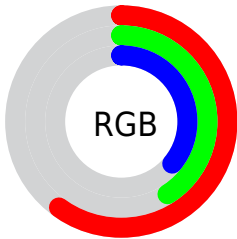
Format	Color
R_{YB}	153, 108, 93
Decimal	10053981
CIE _{Lab}	49.09, 17.65, 14.49
CIE _{LCh}	49, 22.842, 39.387
Yxy	17.6658, 0.3990, 0.3496
Android (android.graphics.Color)	4288244061 (0xFF99695D)
YUV	117.9840, -12.3171, 30.7090
Hunter-Lab	42.0307, 12.0815, 11.5022

Details

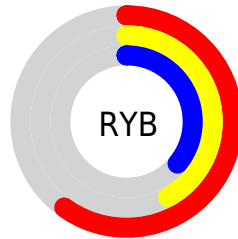
The XYZ color **20.1642, 17.6658, 12.7030** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **19.7883, 23.6757, 33.6638**, and the grayscale version is **17.2455, 18.1436, 19.7584**.

A 20% lighter version of the original color is **43.3094, 39.6524, 31.3576**, and **7.2317, 5.8408, 3.4356** is the 20% darker color. If you saturate the color by 10%, you get **18.3950, 15.1056, 9.0978**, and if you desaturate by 10%, it is **22.2493, 20.6408, 17.0829**.

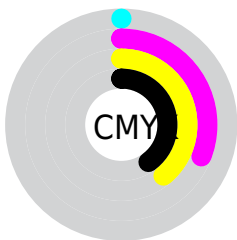
Distribution



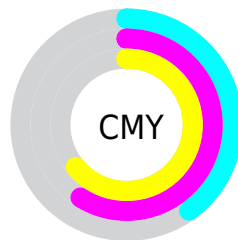
- Red (60%)
- Green (41%)
- Blue (36%)



- Red (60%)
- Yellow (42%)
- Blue (36%)



- Cyan (0%)
- Magenta (31%)
- Yellow (39%)
- Black (40%)





- Cyan (40%)
- Magenta (59%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.1642, 17.6658, 12.7030 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 20.1642, 17.6658, 12.7030 by changing the saturation by 10% instead.


 20.1642, 17.6658,
12.7030


 20.1642, 17.6658,
12.7030


245.6193,
238.9805, 220.1459


 12.6234, 10.7103,
7.0960


 43.1942, 39.4670,
31.4525


 7.2449, 5.8724,
3.4429


 59.4140, 55.0816,
45.4321

 3.6634, 2.7676,
1.3250

 79.2576, 74.3512,
63.0397

 1.5136, 1.0117,
0.0821

 103.0904, 97.6604,
84.6938

 0.3350, 0.0000,
0.0000

131.2775,
125.3936, 110.8129

 0.0000, 0.0000,
0.0000

164.1845,

157.9350, 141.8156

202.1766,
195.6692, 178.1204

■ 20.1642, 17.6658,
12.7030

■ 20.1642, 17.6658,
12.7030

■ 18.3950, 15.1056,
9.0978

■ 22.2493, 20.6408,
17.0829

■ 16.9247, 12.9392,
6.2208

■ 24.6637, 24.0453,
22.2780

■ 15.7365, 11.1474,
4.0223

■ 27.4214, 27.8967,
28.3274

■ 14.8113, 9.7085,
2.4457

■ 30.5354, 32.2102,
35.2674

■ 14.1277, 8.5984,
1.4251

■ 34.0179, 37.0007,
43.1320

■ 13.6484, 7.7849,
0.8178

■ 37.8805, 42.2822,
51.9535

■ 13.6167, 7.7320,
0.7747

■ 42.1345, 48.0682,
61.7627

■ 46.7903, 54.3716,
72.5889

■ 51.8584, 61.2050,
84.4603

Harmonies

Analogous

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



21.1709, 17.6658, 17.3822



20.1642, 17.6658, 12.7030



18.2764, 17.6658, 10.2028

Triad

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



20.1642, 17.6658, 12.7030



13.2372, 17.6658, 15.3892



17.4687, 17.6658, 33.3063

Complementary

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



20.1642, 17.6658, 12.7030



19.7883, 23.6757, 33.6638

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.



15.3880, 17.6658, 32.4562



20.1642, 17.6658, 12.7030



13.0608, 17.6658, 21.2151

Square

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



20.1642, 17.6658, 12.7030



14.3205, 17.6658, 11.5104



13.8163, 17.6658, 27.6925



19.5301, 17.6658, 29.8159

Rectangle

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



20.1642, 17.6658, 12.7030



16.8347, 17.6658, 9.7184



13.8163, 17.6658, 27.6925



16.7470, 17.6658, 33.5327

Sweetspot

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



20.1647, 17.6667, 12.7033



47.5500, 47.7895, 47.2921



21.8589, 16.5242, 27.2367



10.3710, 10.3732, 10.1601



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.



20.1647, 17.6667, 12.7033



33.3206, 27.6022, 17.0488



23.7766, 24.8906, 13.9073



6.3039, 6.4129, 6.5114



11.2740, 6.4305, 0.6470



0.1900, 0.1391, 0.0168

Inverse Universe

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



19.7883, 23.6757, 33.6638



32.5332, 39.8698, 59.9529



15.9485, 15.9961, 32.3838



6.2796, 6.8165, 7.9137



10.5674, 13.5314, 26.9626



0.1817, 0.2498, 0.4110

Previews

White Background



This preview shows how the XYZ color 20.1642, 17.6658, 12.7030 looks on a white background.

Color Contrast Check

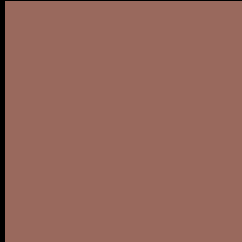
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.1642, 17.6658, 12.7030 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 20.1642, 17.6658, 12.7030

Background



This preview shows how black text looks on a background with the XYZ color 20.1642, 17.6658, 12.7030.



This preview shows how white text looks on a background with the XYZ color 20.1642, 17.6658,

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

20.1642, 17.6658, 12.7030

Protanopia

16.7818, 17.8344, 14.3623

Deuteranopia

18.0425, 17.6794, 12.5867



Tritanopia

21.1823, 17.7948, 17.0702

Trichromacy



Original Color

20.1642, 17.6658, 12.7030

Protanomaly

17.8943, 17.7417, 13.7906

Deuteranomaly

18.7281, 17.5496, 12.5256

Tritanomaly

20.7754, 17.7701, 15.4317

Monochromacy



Original Color

20.1642, 17.6658, 12.7030

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

18.0255, 17.7397, 16.9421

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.1642, 17.6658, 12.7030 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(153, 105, 93)` looks like.

```
.text, #text, p{  
    color:rgb(153, 105, 93)  
}
```

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(153, 105, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 105, 93) }
```

Border

The CSS property to change the border of an element to XYZ 20.1642, 17.6658, 12.7030 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(153, 105, 93) }
```


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

```
.border{ border-color:rgb(153, 105, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 105, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 105, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 105, 93);  
box-shadow:4px 4px 4px 4px rgb(153, 105,  
93) }
```

Background

The CSS property to change the background color of an element to XYZ 20.1642, 17.6658, 12.7030 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 105, 93) }
```

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

```
.background{ background-color: rgb(153,  
105, 93) }
```

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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