

Converting Colors

XYZ(20.1685, 17.5573, 13.1073)

Have a look what the booklet for
XYZ(20.1685, 17.5573, 13.1073)
contains.

XYZ(20.1527, 17.4992, 13.1420)	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(20.1527, 17.4992,
13.1420)**

Conversions

Conversions Part 1

Format	Color
Hex	99685F
RGB	153, 104, 95
RGB Percent	60%, 41%, 37%
CMY	0.4000, 0.5921, 0.6274
CMYK	0.00, 0.32, 0.38, 0.40
HSL	9°, 23%, 49%
HSV	9°, 38%, 60%
XYZ	20.1527, 17.4992, 13.1420
YIQ	117.6250, 32.0930, 7.5890

Conversions

Conversions Part 2

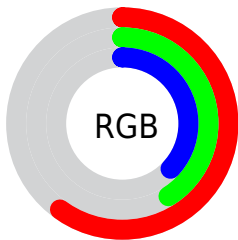
Format	Color
R_{YB}	153, 106, 95
Decimal	10053727
CIE _{Lab}	48.88, 18.48, 13.03
CIE _{LCh}	49, 22.612, 35.179
Yxy	17.4992, 0.3968, 0.3445
Android (android.graphics.Color)	4288243807 (0xFF99685F)
YUV	117.6250, -11.1541, 31.0239
Hunter-Lab	41.8320, 12.7868, 10.6558

Details

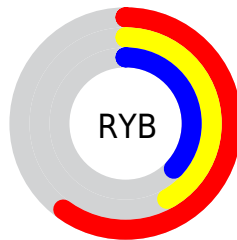
The XYZ color **20.1527, 17.4992, 13.1420** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **20.4418, 24.6781, 33.8227**, and the grayscale version is **17.1298, 18.0219, 19.6259**.

A 20% lighter version of the original color is **43.1267, 39.0423, 32.0510**, and **7.2241, 5.7594, 3.6367** is the 20% darker color. If you saturate the color by 10%, you get **18.3216, 14.8428, 9.4309**, and if you desaturate by 10%, it is **22.3207, 20.6107, 17.6397**.

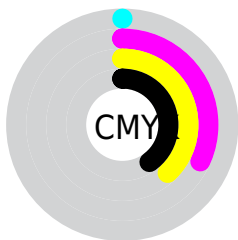
Distribution



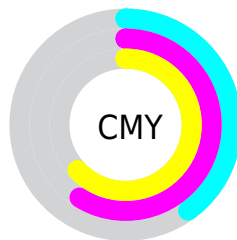
- Red (60%)
- Green (41%)
- Blue (37%)



- Red (60%)
- Yellow (42%)
- Blue (37%)



- Cyan (0%)
- Magenta (32%)
- Yellow (38%)
- Black (40%)





- Cyan (40%)
- Magenta (59%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.1527, 17.4992, 13.1420 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 20.1527, 17.4992, 13.1420 by changing the saturation by 10% instead.


 20.1527, 17.4992,
13.1420


 20.1527, 17.4992,
13.1420


245.5584,
238.0329, 223.0654


 12.6150, 10.5910,
7.3945


 43.1750, 39.1821,
32.2536


 7.2391, 5.7926,
3.6279


 59.3904, 54.7256,
46.4548

 3.6598, 2.7194,
1.4235

 79.2290, 73.9164,
64.3109

 1.5115, 0.9870,
0.1599

 103.0562, 97.1389,
86.2406

 0.3336, 0.0000,
0.0000

131.2374,
124.7773, 112.6624

 0.0000, 0.0000,
0.0000

164.1380,

157.2162, 143.9947

202.1232,
194.8400, 180.6562

■ 20.1527, 17.4992,
13.1420

■ 20.1527, 17.4992,
13.1420

■ 18.3216, 14.8428,
9.4309

■ 22.3207, 20.6107,
17.6397

■ 16.8091, 12.6178,
6.4601

■ 24.8402, 24.1948,
22.9647

■ 15.5968, 10.8019,
4.1799

■ 27.7264, 28.2710,
29.1561

■ 14.6643, 9.3699,
2.5341

■ 30.9934, 32.8570,
36.2502

■ 13.9882, 8.2937,
1.4576

■ 34.6543, 37.9696,
44.2812

■ 13.5339, 7.5384,
0.8337

■ 38.7217, 43.6248,
53.2815

■ 13.4583, 7.4153,
0.7220

■ 43.2078, 49.8381,
63.2820

■ 48.1239, 56.6241,
74.3123

■ 53.4813, 63.9970,
86.4005

Harmonies

Analogous

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



20.9826, 17.4992, 18.0295



20.1527, 17.4992, 13.1420



18.3841, 17.4992, 10.3731

Triad

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



20.1527, 17.4992, 13.1420



13.2329, 17.4992, 14.6034



16.9993, 17.4992, 33.0326

Complementary

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



20.1527, 17.4992, 13.1420



20.4418, 24.6781, 33.8227

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.



14.9957, 17.4992, 31.5821



20.1527, 17.4992, 13.1420



12.9294, 17.4992, 20.1158

Square

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



20.1527, 17.4992, 13.1420



14.4147, 17.4992, 11.0842



13.5481, 17.4992, 26.5158



19.0668, 17.4992, 30.1437

Rectangle

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



20.1527, 17.4992, 13.1420



16.9738, 17.4992, 9.7037



13.5481, 17.4992, 26.5158



16.2957, 17.4992, 33.0416

Sweetspot

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



20.1532, 17.5000, 13.1423



47.8702, 48.1149, 48.3700



22.2861, 16.9796, 28.6086



10.4290, 10.4249, 10.3772



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.



20.1532, 17.5000, 13.1423



33.4272, 27.4790, 18.1219



23.5489, 24.2915, 14.2743



6.2824, 6.3699, 6.5042



11.1400, 6.1623, 0.6023



0.1838, 0.1266, 0.0148

Inverse Universe

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



20.4418, 24.6781, 33.8227



34.0027, 42.0954, 60.3051



16.6342, 17.0629, 32.5536



6.3029, 6.8632, 7.9215



11.2869, 14.9705, 27.2024



0.1881, 0.2625, 0.4131

Previews

White Background



This preview shows how the XYZ color 20.1527, 17.4992, 13.1420 looks on a white background.

Color Contrast Check

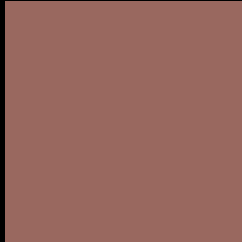
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.1527, 17.4992, 13.1420 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 20.1527, 17.4992, 13.1420

Background



This preview shows how black text looks on a background with the XYZ color 20.1527, 17.4992, 13.1420.

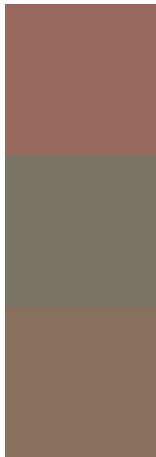


This preview shows how white text looks on a background with the XYZ color 20.1527, 17.4992,

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

20.1527, 17.4992, 13.1420

Protanopia

16.6204, 17.5679, 14.8269

Deuteranopia

17.9679, 17.6307, 13.0457



Tritanopia

20.8923, 17.4986, 17.0283

Trichromacy



Original Color

20.1527, 17.4992, 13.1420

Protanomaly

17.7192, 17.4757, 14.2436

Deuteranomaly

18.6443, 17.4962, 12.9841

Tritanomaly

20.7265, 17.5904, 15.6675

Monochromacy



Original Color

20.1527, 17.4992, 13.1420

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

18.0797, 17.7613, 17.2272

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.1527, 17.4992, 13.1420 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, 104, 95)` looks like.

```
.text, #text, p{  
    color:rgb(153, 104, 95)  
}
```

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, 104, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 104, 95) }
```

Border

The CSS property to change the border of an element to XYZ 20.1527, 17.4992, 13.1420 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, 104, 95) }
```


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

```
.border{ border-color:rgb(153, 104, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 104, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 104, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 104, 95);  
box-shadow:4px 4px 4px 4px rgb(153, 104,  
95) }
```

Background

The CSS property to change the background color of an element to XYZ 20.1527, 17.4992, 13.1420 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 104, 95) }
```

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

```
.background{ background-color: rgb(153,  
104, 95) }
```

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