

Converting Colors

XYZ(20.3252, 17.8543, 13.1681)

Have a look what the booklet for
XYZ(20.3252, 17.8543, 13.1681)
contains.

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Color

**XYZ(20.3565, 17.9066,
13.2099)**

Conversions

Conversions Part 1

Format	Color
Hex	996A5F
RGB	153, 106, 95
RGB Percent	60%, 42%, 37%
CMY	0.4000, 0.5843, 0.6274
CMYK	0.00, 0.31, 0.38, 0.40
HSL	11°, 23%, 49%
HSV	11°, 38%, 60%
XYZ	20.3565, 17.9066, 13.2099
YIQ	118.7990, 31.5430, 6.5430

Conversions

Conversions Part 2

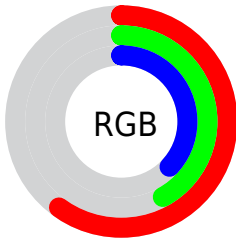
Format	Color
R_{YB}	153, 109, 95
Decimal	10054239
CIE Lab	49.38, 17.33, 13.72
CIE LCh	49, 22.103, 38.367
Yxy	17.9066, 0.3955, 0.3479
Android (android.graphics.Color)	4288244319 (0xFF996A5F)
YUV	118.7990, -11.7329, 29.9943
Hunter-Lab	42.3162, 11.8153, 11.1127

Details

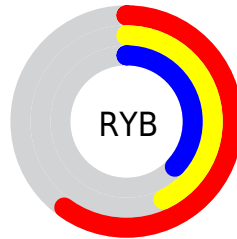
The XYZ color **20.3565, 17.9066, 13.2099** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **20.1418, 24.0780, 33.7230**, and the grayscale version is **17.5004, 18.4118, 20.0504**.

A 20% lighter version of the original color is **43.6322, 40.0534, 32.2195**, and **7.3230, 5.9572, 3.6696** is the 20% darker color. If you saturate the color by 10%, you get **18.5417, 15.2827, 9.5042**, and if you desaturate by 10%, it is **22.4936, 20.9563, 17.6973**.

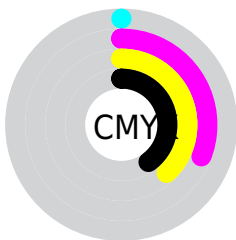
Distribution



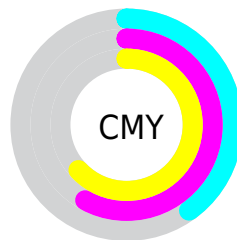
- Red (60%)
- Green (42%)
- Blue (37%)



- Red (60%)
- Yellow (43%)
- Blue (37%)



- Cyan (0%)
- Magenta (31%)
- Yellow (38%)
- Black (40%)



- Cyan (40%)
- Magenta (58%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.3565, 17.9066, 13.2099 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 20.3565, 17.9066, 13.2099 by changing the saturation by 10% instead.

■ 20.3565, 17.9066,
13.2099

■ 20.3565, 17.9066,
13.2099

246.6355,
240.3441, 223.5134

■ 12.7642, 10.8830,
7.4408

■ 43.5135, 39.8781,
32.3771

■ 7.3423, 5.9882,
3.6567

■ 59.8089, 55.5948,
46.6122

■ 3.7253, 2.8379,
1.4390

■ 79.7360, 74.9779,
64.5065

■ 1.5479, 1.0477,
0.1718

■ 103.6603, 98.4118,
86.4784

■ 0.3581, 0.0000,
0.0000

131.9470,
126.2810, 112.9465

■ 0.0000, 0.0000,
0.0000

164.9616,

158.9699, 144.3294

203.0693,
196.8628, 181.0455

■ 20.3565, 17.9066,
13.2099

■ 20.3565, 17.9066,
13.2099

■ 18.5417, 15.2827,
9.5042

■ 22.4936, 20.9563,
17.6973

■ 17.0318, 13.0631,
6.5343

■ 24.9664, 24.4470,
23.0068

■ 15.8100, 11.2280,
4.2509

■ 27.7892, 28.3964,
29.1771

■ 14.8571, 9.7553,
2.5983

■ 30.9751, 32.8203,
36.2442

■ 14.1515, 8.6203,
1.5120

■ 34.5365, 37.7338,
44.2420

■ 13.6608, 7.7920,
0.8759

■ 38.4851, 43.1514,
53.2028

■ 13.5769, 7.6523,
0.7615

■ 42.8323, 49.0868,
63.1571

■ 47.5888, 55.5535,
74.1342

■ 52.7651, 62.5643,
86.1623

Harmonies

Analogous

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



21.2970, 17.9066, 17.8756



20.3565, 17.9066, 13.2099



18.5391, 17.9066, 10.6614

Triad

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



20.3565, 17.9066, 13.2099



13.5620, 17.9066, 15.5674



17.6091, 17.9066, 33.1873

Complementary

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



20.3565, 17.9066, 13.2099



20.1418, 24.0780, 33.7230

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.



15.5856, 17.9066, 32.2193



20.3565, 17.9066, 13.2099



13.3572, 17.9066, 21.2141

Square

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



20.3565, 17.9066, 13.2099



14.6531, 17.9066, 11.8167



14.0690, 17.9066, 27.5173



19.6282, 17.9066, 29.9426

Rectangle

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



20.3565, 17.9066, 13.2099



17.1341, 17.9066, 10.1333



14.0690, 17.9066, 27.5173



16.9058, 17.9066, 33.3550

Sweetspot

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



20.3570, 17.9075, 13.2103



48.0234, 48.4212, 48.4211



22.1393, 16.9210, 27.8351



10.4659, 10.4988, 10.3895



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.



20.3570, 17.9075, 13.2103



33.8172, 28.2589, 18.2519



23.8155, 24.8245, 14.3631



6.2990, 6.4030, 6.5097



11.2404, 6.3632, 0.6358



0.1886, 0.1362, 0.0163

Inverse Universe

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



20.1418, 24.0780, 33.7230



33.3641, 40.8183, 60.0922



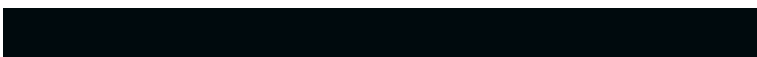
16.4154, 16.6253, 32.4809



6.2850, 6.8273, 7.9155



10.7292, 13.8551, 27.0165



0.1832, 0.2527, 0.4115

Previews

White Background



This preview shows how the XYZ color 20.3565, 17.9066, 13.2099 looks on a white background.

Color Contrast Check

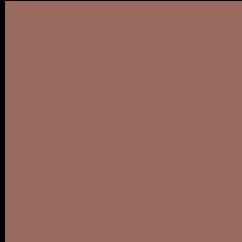
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.3565, 17.9066, 13.2099 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 20.3565, 17.9066, 13.2099

Background



This preview shows how black text looks on a background with the XYZ color 20.3565, 17.9066, 13.2099.

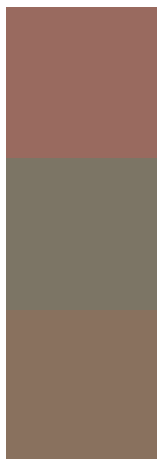


This preview shows how white text looks on a background with the XYZ color 20.3565, 17.9066,

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

20.3565, 17.9066, 13.2099

Protanopia

17.0224, 17.9473, 14.8789

Deuteranopia

18.2420, 17.9368, 13.0904



Tritanopia

21.3371, 18.0169, 17.3919

Trichromacy



Original Color

20.3565, 17.9066, 13.2099

Protanomaly

18.1489, 17.8620, 14.2955

Deuteranomaly

18.9240, 17.7997, 13.0279

Tritanomaly

20.9278, 17.9931, 15.7346

Monochromacy



Original Color

20.3565, 17.9066, 13.2099

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

18.1919, 17.9857, 17.2646

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.3565, 17.9066, 13.2099 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, 106, 95)` looks like.

```
.text, #text, p{  
    color:rgb(153, 106, 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, 106, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 106, 95) }
```

Border

The CSS property to change the border of an element to XYZ 20.3565, 17.9066, 13.2099 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, 106, 95) }
```


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

```
.border{ border-color:rgb(153, 106, 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, 106, 95) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 106, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 106, 95);  
box-shadow:4px 4px 4px 4px rgb(153, 106,  
95) }
```

Background

The CSS property to change the background color of an element to XYZ 20.3565, 17.9066, 13.2099 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 106, 95) }
```

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

```
.background{ background-color: rgb(153,  
106, 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](#).

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