

Converting Colors

XYZ(19.8536, 17.1657, 12.4764)

Have a look what the booklet for
XYZ(19.8536, 17.1657, 12.4764)
contains.

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Color

**XYZ(19.9189, 17.2455,
12.4041)**

Conversions

Conversions Part 1

Format	Color
Hex	99675C
RGB	153, 103, 92
RGB Percent	60%, 40%, 36%
CMY	0.4000, 0.5961, 0.6392
CMYK	0.00, 0.33, 0.40, 0.40
HSL	11°, 25%, 48%
HSV	11°, 40%, 60%
XYZ	19.9189, 17.2455, 12.4041
YIQ	116.6960, 33.3310, 7.1790

Conversions

Conversions Part 2

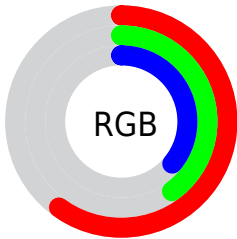
Format	Color
R_{YB}	153, 105, 92
Decimal	10053468
CIE _{Lab}	48.57, 18.68, 14.37
CIE _{LCh}	49, 23.570, 37.566
Yxy	17.2455, 0.4018, 0.3479
Android (android.graphics.Color)	4288243548 (0xFF99675C)
YUV	116.6960, -12.1751, 31.8386
Hunter-Lab	41.5277, 12.9446, 11.3598

Details

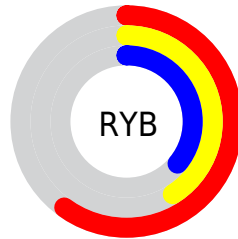
The XYZ color **19.9189, 17.2455, 12.4041** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **19.8361, 23.9204, 33.7087**, and the grayscale version is **16.8441, 17.7213, 19.2985**.

A 20% lighter version of the original color is **42.7326, 38.6195, 30.7932**, and **7.1149, 5.6390, 3.2982** is the 20% darker color. If you saturate the color by 10%, you get **18.1613, 14.6948, 8.8451**, and if you desaturate by 10%, it is **21.9996, 20.2262, 16.7376**.

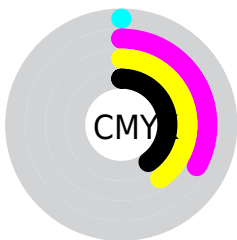
Distribution



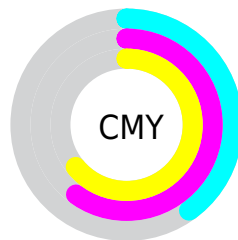
- Red (60%)
- Green (40%)
- Blue (36%)



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



- Cyan (0%)
- Magenta (33%)
- Yellow (40%)
- Black (40%)



- Cyan (40%)
- Magenta (60%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.9189, 17.2455, 12.4041 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 19.9189, 17.2455, 12.4041 by changing the saturation by 10% instead.

■ 19.9189, 17.2455,
12.4041

■ 19.9189, 17.2455,
12.4041

244.3177,
236.5832, 218.1345

■ 12.4440, 10.4097,
6.8936

■ 42.7862, 38.7474,
30.9043

■ 7.1212, 5.6714,
3.3182

■ 58.9092, 54.1823,
44.7312

■ 3.5850, 2.6463,
1.2593

■ 78.6458, 73.2523,
62.1672

■ 1.4701, 0.9500,
0.0281

■ 102.3611, 96.3418,
83.6310

■ 0.3054, 0.0000,
0.0000

130.4206,
123.8353, 109.5411

■ 0.0000, 0.0000,
0.0000

163.1897,

156.1171, 140.3160

201.0336,
193.5716, 176.3743

■ 19.9189, 17.2455,
12.4041

■ 19.9189, 17.2455,
12.4041

■ 18.1613, 14.6948,
8.8451

■ 21.9996, 20.2262,
16.7376

■ 16.7090, 12.5515,
6.0137

■ 24.4173, 23.6528,
21.8867

■ 15.5444, 10.7951,
3.8596

■ 27.1868, 27.5436,
27.8907

■ 14.6476, 9.4021,
2.3254

■ 30.3215, 31.9153,
34.7862

■ 13.9958, 8.3464,
1.3442

■ 33.8342, 36.7834,
42.6076

■ 13.5476, 7.5921,
0.7571

■ 37.7370, 42.1631,
51.3874

■ 13.5427, 7.5839,
0.7501

■ 42.0414, 48.0685,
61.1567

■ 46.7586, 54.5136,
71.9449

■ 51.8993, 61.5116,
83.7805

Harmonies

Analogous

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



20.8759, 17.2455, 17.2504



19.9189, 17.2455, 12.4041



18.0325, 17.2455, 9.7699

Triad

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



19.9189, 17.2455, 12.4041



12.8354, 17.2455, 14.5838



16.9458, 17.2455, 33.2555

Complementary

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



19.9189, 17.2455, 12.4041



19.8361, 23.9204, 33.7087

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.



14.8529, 17.2455, 32.0999



19.9189, 17.2455, 12.4041



12.5999, 17.2455, 20.3920

Square

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



19.9189, 17.2455, 12.4041



13.9811, 17.2455, 10.8214



13.3070, 17.2455, 27.0280



19.0637, 17.2455, 29.9066

Rectangle

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



19.9189, 17.2455, 12.4041



16.5688, 17.2455, 9.2042



13.3070, 17.2455, 27.0280



16.2151, 17.2455, 33.3920

Sweetspot

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



19.9193, 17.2463, 12.4044



47.4555, 47.6004, 47.2606



21.9094, 16.4049, 27.9323



10.3485, 10.3281, 10.1526



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.



19.9193, 17.2463, 12.4044



32.7912, 26.7060, 16.3714



23.4107, 24.2291, 13.5682



6.2945, 6.3940, 6.5083



11.2114, 6.3053, 0.6261



0.1873, 0.1336, 0.0159

Inverse Universe

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



19.8361, 23.9204, 33.7087



32.6021, 40.3522, 60.0424



15.9946, 16.2375, 32.4282



6.2898, 6.8370, 7.9171



10.8773, 14.1512, 27.0659



0.1845, 0.2553, 0.4119

Previews

White Background



This preview shows how the XYZ color 19.9189, 17.2455, 12.4041 looks on a white background.

Color Contrast Check

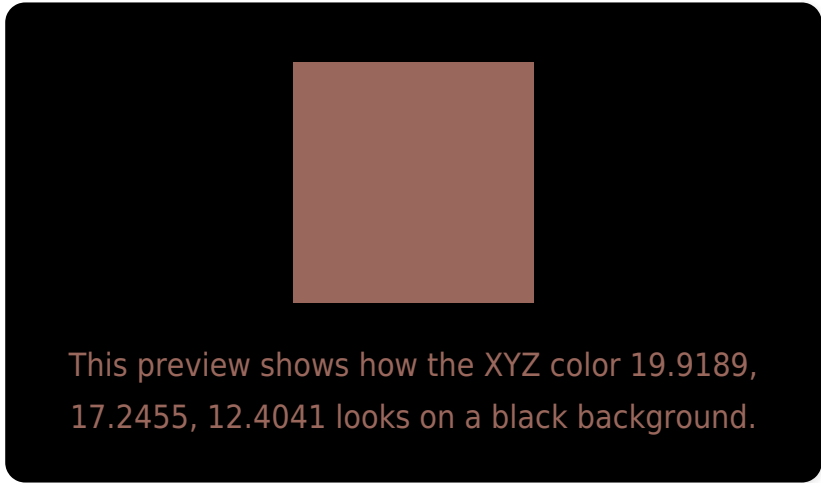
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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

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

XYZ 19.9189, 17.2455, 12.4041

Background



This preview shows how black text looks on a background with the XYZ color 19.9189, 17.2455, 12.4041.



This preview shows how white text looks on a background with the XYZ color 19.9189, 17.2455,

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

19.9189, 17.2455, 12.4041

Protanopia

16.3614, 17.2809, 14.0285

Deuteranopia

17.5216, 17.2580, 12.0805



Tritanopia

20.6869, 17.2601, 16.4286

Trichromacy



Original Color

19.9189, 17.2455, 12.4041

Protanomaly

17.4686, 17.2000, 13.4656

Deuteranomaly

18.4062, 17.2312, 12.2534

Tritanomaly

20.4761, 17.3321, 14.8366

Monochromacy



Original Color

19.9189, 17.2455, 12.4041

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

17.7069, 17.4169, 16.6159

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.9189, 17.2455, 12.4041 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, 103, 92)` looks like.

```
.text, #text, p{  
    color:rgb(153, 103, 92)  
}
```

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, 103, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 103, 92) }
```

Border

The CSS property to change the border of an element to XYZ 19.9189, 17.2455, 12.4041 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, 103, 92) }
```


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

```
.border{ border-color:rgb(153, 103, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 103, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 103, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 103, 92);  
box-shadow:4px 4px 4px 4px rgb(153, 103,  
92) }
```

Background

The CSS property to change the background color of an element to XYZ 19.9189, 17.2455, 12.4041 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 103, 92) }
```

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

```
.background{ background-color: rgb(153,  
103, 92) }
```

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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