

Converting Colors

XYZ(20.6367, 18.9511, 12.9317)

Have a look what the booklet for
XYZ(20.6367, 18.9511, 12.9317)
contains.

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Color

**XYZ(20.7188, 19.0541,
12.9417)**

Conversions

Conversions Part 1

Format	Color
Hex	98705D
RGB	152, 112, 93
RGB Percent	60%, 44%, 36%
CMY	0.4039, 0.5608, 0.6353
CMYK	0.00, 0.26, 0.39, 0.40
HSL	19°, 24%, 48%
HSV	19°, 39%, 60%
XYZ	20.7188, 19.0541, 12.9417
YIQ	121.7940, 29.9390, 2.5710

Conversions

Conversions Part 2

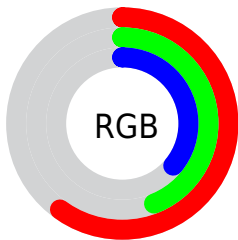
Format	Color
R_{YB}	152, 121, 93
Decimal	9990237
CIE Lab	50.75, 13.20, 16.75
CIE LCh	51, 21.327, 51.766
Yxy	19.0541, 0.3930, 0.3615
Android (android.graphics.Color)	4288180317 (0xFF98705D)
YUV	121.7940, -14.1954, 26.4907
Hunter-Lab	43.6510, 8.3352, 12.9773

Details

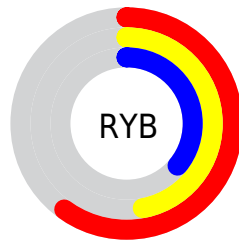
The XYZ color **20.7188, 19.0541, 12.9417** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **18.5687, 21.3681, 32.8513**, and the grayscale version is **18.4699, 19.4318, 21.1612**.

A 20% lighter version of the original color is **44.2458, 41.9440, 31.7506**, and **7.4921, 6.5247, 3.5538** is the 20% darker color. If you saturate the color by 10%, you get **19.0388, 16.6665, 9.3839**, and if you desaturate by 10%, it is **22.6638, 21.7573, 17.2485**.

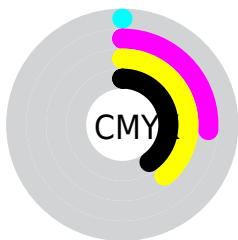
Distribution



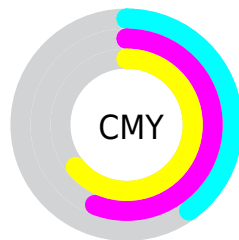
- Red (60%)
- Green (44%)
- Blue (36%)



- Red (60%)
- Yellow (47%)
- Blue (36%)



- Cyan (0%)
- Magenta (26%)
- Yellow (39%)
- Black (40%)



- Cyan (40%)
- Magenta (56%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.7188, 19.0541, 12.9417 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 20.7188, 19.0541, 12.9417 by changing the saturation by 10% instead.

■ 20.7188, 19.0541,
12.9417

■ 20.7188, 19.0541,
12.9417

248.5404,
246.7473, 221.7384

■ 13.0299, 11.7094,
7.2582

■ 44.1139, 41.8255,
31.8887

■ 7.5263, 6.5461,
3.5432

■ 60.5508, 58.0210,
45.9891

■ 3.8426, 3.1799,
1.3782

■ 80.6344, 77.9355,
63.7324

■ 1.6135, 1.2264,
0.1247

■ 104.7300,
101.9534, 85.5369

■ 0.4012, 0.0831,
0.0000

133.2031,
130.4591, 111.8212

■ 0.0000, 0.0000,
0.0000

166.4189,

163.8371, 143.0038

204.7429,
202.4717, 179.5034

■ 20.7188, 19.0541,
12.9417

■ 20.7188, 19.0541,
12.9417

■ 19.0388, 16.6665,
9.3839

■ 22.6638, 21.7573,
17.2485

■ 17.6100, 14.5799,
6.5304

■ 24.8837, 24.7846,
22.3431

■ 16.4193, 12.7824,
4.3338


■ 27.3898, 28.1476,
28.2628


■ 15.4521, 11.2603,
2.7399

■ 30.1923, 31.8565,
35.0425


■ 14.6913, 9.9985,
1.6859


■ 33.3008, 35.9210,
42.7147


 14.1070, 8.9760,
1.0407

 36.7245, 40.3503,
51.3105

 14.0454, 8.8686,
0.9715

 40.4722, 45.1536,
60.8594

 44.5523, 50.3393,
71.3894

 48.9730, 55.9159,
82.9277

Harmonies

Analogous

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



22.1139, 19.0541, 16.7569



20.7188, 19.0541, 12.9417



18.6932, 19.0541, 11.2973

Triad

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



20.7188, 19.0541, 12.9417



14.4098, 19.0541, 19.1383



19.6452, 19.0541, 33.4074

Complementary

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



20.7188, 19.0541, 12.9417



18.5687, 21.3681, 32.8513

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.



17.5397, 19.0541, 34.3831



20.7188, 19.0541, 12.9417



14.6218, 19.0541, 25.3243

Square

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



20.7188, 19.0541, 12.9417



15.1276, 19.0541, 14.3960



15.7306, 19.0541, 31.1891



21.4615, 19.0541, 28.7345

Rectangle

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



20.7188, 19.0541, 12.9417



17.3015, 19.0541, 11.3798



15.7306, 19.0541, 31.1891



18.9441, 19.0541, 34.2105

Sweetspot

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



20.7193, 19.0550, 12.9421



46.7760, 47.5868, 46.1475



21.1188, 16.2064, 24.3202



10.5128, 10.6566, 10.2074



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.



20.7193, 19.0550, 12.9421



33.8543, 29.7759, 17.0772



24.4765, 26.5695, 14.1945



6.3632, 6.5314, 6.5312



11.8025, 7.4873, 0.8231



0.2069, 0.1728, 0.0225

Inverse Universe

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



18.5687, 21.3681, 32.8513



29.4703, 34.4487, 57.5297



15.1137, 14.4581, 31.6997



6.2168, 6.6909, 7.8928



8.8511, 10.0988, 26.3905



0.1649, 0.2160, 0.4054

Previews

White Background



This preview shows how the XYZ color 20.7188, 19.0541, 12.9417 looks on a white background.

Color Contrast Check

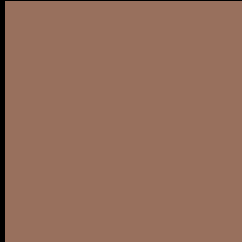
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.7188, 19.0541, 12.9417 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 20.7188, 19.0541, 12.9417

Background



This preview shows how black text looks on a background with the XYZ color 20.7188, 19.0541, 12.9417.



This preview shows how white text looks on a background with the XYZ color 20.7188, 19.0541,

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

20.7188, 19.0541, 12.9417

Protanopia

18.0483, 19.2049, 14.0649

Deuteranopia

19.3325, 19.0143, 12.7764



Tritanopia

22.0060, 19.0917, 19.3548

Trichromacy



Original Color

20.7188, 19.0541, 12.9417

Protanomaly

18.9063, 19.1198, 13.7603

Deuteranomaly

19.9166, 19.1452, 12.7709

Tritanomaly

21.4196, 19.0069, 16.7271

Monochromacy



Original Color

20.7188, 19.0541, 12.9417

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

19.0205, 19.0911, 17.7214

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.7188, 19.0541, 12.9417 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(152, 112, 93)` looks like.

```
.text, #text, p{  
    color:rgb(152, 112, 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(152, 112, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 112, 93) }
```

Border

The CSS property to change the border of an element to XYZ 20.7188, 19.0541, 12.9417 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(152, 112, 93) }
```


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

```
.border{ border-color:rgb(152, 112, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 112, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 112, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 112, 93);  
box-shadow:4px 4px 4px 4px rgb(152, 112,  
93) }
```

Background

The CSS property to change the background color of an element to XYZ 20.7188, 19.0541, 12.9417 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 112, 93) }
```

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

```
.background{ background-color: rgb(152,  
112, 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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