

Converting Colors

XYZ(20.7049, 16.4127, 12.7227)

Have a look what the booklet for
XYZ(20.7049, 16.4127, 12.7227)
contains.

XYZ(20.7210, 16.3906, 12.6613)	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(20.7210, 16.3906,
12.6613)**

Conversions

Conversions Part 1

Format	Color
Hex	A15E5E
RGB	161, 94, 94
RGB Percent	63%, 37%, 37%
CMY	0.3686, 0.6314, 0.6314
CMYK	0.00, 0.42, 0.42, 0.37
HSL	0°, 26%, 50%
HSV	0°, 42%, 63%
XYZ	20.7210, 16.3906, 12.6613
YIQ	114.0330, 39.9320, 14.2040

Conversions

Conversions Part 2

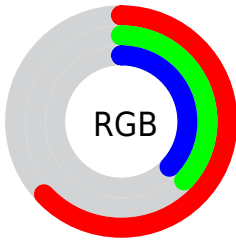
Format	Color
R_{YB}	161, 94, 94
Decimal	10575454
CIE _{Lab}	47.48, 27.29, 11.83
CIE _{LCh}	47, 29.749, 23.440
Yxy	16.3906, 0.4163, 0.3293
Android (android.graphics.Color)	4288765534 (0xFFA15E5E)
YUV	114.0330, -9.8763, 41.1901
Hunter-Lab	40.4853, 20.5097, 9.7975

Details

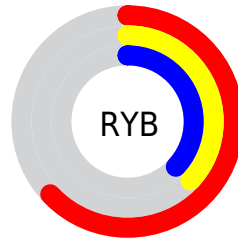
The XYZ color **20.7210, 16.3906, 12.6613** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **23.7934, 30.4414, 38.3398**, and the grayscale version is **16.0248, 16.8593, 18.3598**.

A 20% lighter version of the original color is **44.0729, 37.1698, 31.2372**, and **7.5739, 5.2932, 3.4188** is the 20% darker color. If you saturate the color by 10%, you get **18.7872, 13.5610, 8.8165**, and if you desaturate by 10%, it is **23.1050, 19.8793, 17.4000**.

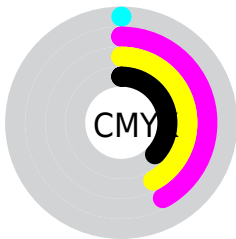
Distribution



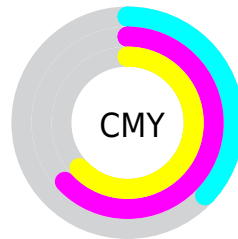
- Red (63%)
- Green (37%)
- Blue (37%)



- Red (63%)
- Yellow (37%)
- Blue (37%)



- Cyan (0%)
- Magenta (42%)
- Yellow (42%)
- Black (37%)




- Cyan (37%)
- Magenta (63%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.7210, 16.3906, 12.6613 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 20.7210, 16.3906, 12.6613 by changing the saturation by 10% instead.


 20.7210, 16.3906,
12.6613


 20.7210, 16.3906,
12.6613

248.5519,
231.6357, 219.8665


 13.0315, 9.8010,
7.0678


 44.1175, 37.2750,
31.3762

 7.5274, 5.2672,
3.4254


 60.5553, 52.3385,
45.3345

 3.8433, 2.4049,
1.3157

 80.6398, 70.9955,
62.9183

 1.6139, 0.8284,
0.0746

 104.7365, 93.6303,
84.5460

 0.4014, 0.0000,
0.0000

133.2107,
120.6273, 110.6361

 0.0000, 0.0000,
0.0000

166.4278,

152.3710, 141.6072

204.7530,
189.2456, 177.8778

■ 20.7210, 16.3906,
12.6613

■ 20.7210, 16.3906,
12.6613

■ 18.7872, 13.5610,
8.8165

■ 23.1050, 19.8793,
17.4000

■ 17.2741, 11.3469,
5.8086

■ 25.9636, 24.0622,
23.0827

■ 16.1508, 9.7031,
3.5756


■ 29.3210, 28.9750,
29.7571


■ 15.3816, 8.5776,
2.0467


■ 33.1994, 34.6502,
37.4673


■ 14.9243, 7.9084,
1.1378


■ 37.6197, 41.1183,
46.2547

 14.6980, 7.5772,
0.6879

 42.6015, 48.4081,
56.1586

 48.1636, 56.5470,
67.2160

 54.3239, 65.5612,
79.4627

 61.0995, 75.4757,
92.9325

Harmonies

Analogous

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



21.1914, 16.3906, 19.5612



20.7210, 16.3906, 12.6613



18.8056, 16.3906, 8.5241

Triad

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



20.7210, 16.3906, 12.6613



11.8435, 16.3906, 10.5062



15.0055, 16.3906, 36.5580

Complementary

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



20.7210, 16.3906, 12.6613



23.7934, 30.4414, 38.3398

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.



12.7439, 16.3906, 32.2726



20.7210, 16.3906, 12.6613



11.0565, 16.3906, 16.2352

Square

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



20.7210, 16.3906, 12.6613



13.6437, 16.3906, 7.5481



11.3665, 16.3906, 24.2835



17.6886, 16.3906, 34.8035

Rectangle

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



20.7210, 16.3906, 12.6613



17.0723, 16.3906, 7.2166



11.3665, 16.3906, 24.2835



14.1750, 16.3906, 35.7442

Sweetspot

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



20.7214, 16.3914, 12.6616



52.1178, 51.3158, 52.5098



25.1337, 18.1558, 35.8979



11.2636, 11.0106, 11.1851



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



20.7214, 16.3914, 12.6616



33.8559, 24.5934, 16.2063



24.3725, 23.6935, 13.8786



7.0738, 7.0860, 7.3750



11.7389, 6.0518, 0.5494



0.2467, 0.1272, 0.0115

Inverse Universe

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



23.7934, 30.4414, 38.3398



40.1176, 53.2318, 68.5469



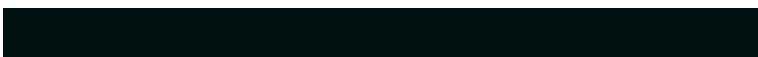
18.7034, 20.2613, 36.6432



7.2761, 8.0112, 9.0659



15.3157, 22.4107, 30.4483



0.3218, 0.4709, 0.6398

Previews

White Background



This preview shows how the XYZ color 20.7210, 16.3906, 12.6613 looks on a white background.

Color Contrast Check

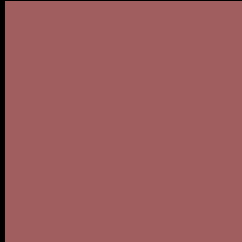
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.7210, 16.3906, 12.6613 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

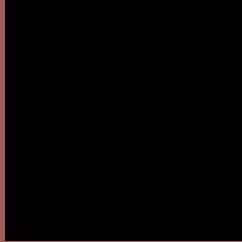
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.7210, 16.3906, 12.6613

Background



This preview shows how black text looks on a background with the XYZ color 20.7210, 16.3906, 12.6613.

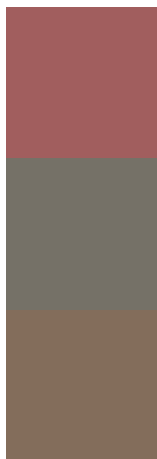


This preview shows how white text looks on a background with the XYZ color 20.7210, 16.3906,

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

20.7210, 16.3906, 12.6613

Protanopia

15.6894, 16.5714, 15.2036

Deuteranopia

16.7170, 16.5179, 12.2047



Tritanopia

20.9125, 16.3259, 14.1056

Trichromacy



Original Color

20.7210, 16.3906, 12.6613

Protanomaly

17.1272, 16.2147, 14.2836

Deuteranomaly

18.0374, 16.4241, 12.3447

Tritanomaly

20.8169, 16.2876, 13.6019

Monochromacy



Original Color

20.7210, 16.3906, 12.6613

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

17.2716, 16.4022, 16.1656

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.7210, 16.3906, 12.6613 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(161, 94, 94)` looks like.

```
.text, #text, p{  
  color:rgb(161, 94, 94)  
}
```

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(161, 94, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 94, 94) }
```

Border

The CSS property to change the border of an element to XYZ 20.7210, 16.3906, 12.6613 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(161, 94, 94) }
```


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

```
.border{ border-color:rgb(161, 94, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 94, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 94, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 94, 94);  
box-shadow:4px 4px 4px 4px rgb(161, 94,  
94) }
```

Background

The CSS property to change the background color of an element to XYZ 20.7210, 16.3906, 12.6613 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 94, 94) }
```

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

```
.background{ background-color: rgb(161, 94,  
94) }
```

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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