

Converting Colors

XYZ(21.3581, 17.0525, 12.3385)

Have a look what the booklet for
XYZ(21.3581, 17.0525, 12.3385)
contains.

XYZ(21.2189, 16.9250, 12.2737)	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(21.2189, 16.9250,
12.2737)**

Conversions

Conversions Part 1

Format	Color
Hex	A3605C
RGB	163, 96, 92
RGB Percent	64%, 38%, 36%
CMY	0.3608, 0.6235, 0.6392
CMYK	0.00, 0.41, 0.44, 0.36
HSL	3°, 28%, 50%
HSV	3°, 44%, 64%
XYZ	21.2189, 16.9250, 12.2737
YIQ	115.5770, 41.2160, 12.9600

Conversions

Conversions Part 2

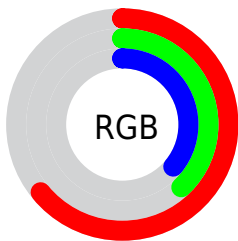
Format	Color
R_{YB}	163, 96, 92
Decimal	10707036
CIE _{Lab}	48.17, 26.74, 14.02
CIE _{LCh}	48, 30.194, 27.661
Yxy	16.9250, 0.4209, 0.3357
Android (android.graphics.Color)	4288897116 (0xFFA3605C)
YUV	115.5770, -11.6235, 41.5900
Hunter-Lab	41.1400, 20.0705, 11.1094

Details

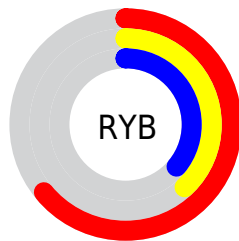
The XYZ color **21.2189, 16.9250, 12.2737** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **23.4220, 29.7145, 39.1513**, and the grayscale version is **16.4971, 17.3563, 18.9010**.

A 20% lighter version of the original color is **44.8314, 38.0361, 30.5700**, and **7.7344, 5.4993, 3.2386** is the 20% darker color. If you saturate the color by 10%, you get **19.3129, 14.1333, 8.4932**, and if you desaturate by 10%, it is **23.5536, 20.3288, 16.9539**.

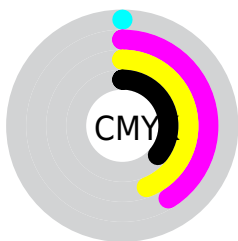
Distribution



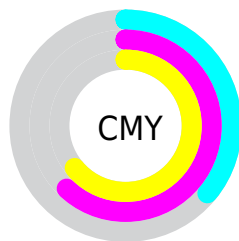
- Red (64%)
- Green (38%)
- Blue (36%)



- Red (64%)
- Yellow (38%)
- Blue (36%)



- Cyan (0%)
- Magenta (41%)
- Yellow (44%)
- Black (36%)





- Cyan (36%)
- Magenta (62%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.2189, 16.9250, 12.2737 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 21.2189, 16.9250, 12.2737 by changing the saturation by 10% instead.


 21.2189, 16.9250,
12.2737


 21.2189, 16.9250,
12.2737


251.1493,
234.7398, 217.2508


 13.3975, 10.1810,
6.8056


 44.9401, 38.1968,
30.6644


 7.7817, 5.5192,
3.2642


 61.5706, 53.4934,
44.4241

 4.0062, 2.5550,
1.2311

 81.8681, 72.4096,
61.7848

 1.7056, 0.9041,
0.0043

 106.1981, 95.3300,
83.1648

 0.4598, 0.0000,
0.0000

134.9258,
122.6388, 108.9830

 0.0000, 0.0000,
0.0000

168.4167,

154.7204, 139.6576

207.0361,
191.9593, 175.6074

■ 21.2189, 16.9250,
12.2737

■ 21.2189, 16.9250,
12.2737

■ 19.3129, 14.1333,
8.4932

■ 23.5536, 20.3288,
16.9539

■ 17.8084, 11.9150,
5.5536

■ 26.3397, 24.3754,
22.5853

■ 16.6769, 10.2311,
3.3910


■ 29.5994, 29.0964,
29.2167


■ 15.8857, 9.0365,
1.9318

■ 33.3536, 34.5206,
36.8934


■ 15.3964, 8.2787,
1.0881


■ 37.6216, 40.6751,
45.6579

 15.2040, 7.9861,
0.7401

 42.4218, 47.5857,
55.5501

 47.7715, 55.2767,
66.6083

 53.6876, 63.7715,
78.8686

 60.1858, 73.0925,
92.3658

Harmonies

Analogous

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



21.9460, 16.9250, 19.0512



21.2189, 16.9250, 12.2737



19.0728, 16.9250, 8.3937

Triad

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



21.2189, 16.9250, 12.2737



12.0333, 16.9250, 11.4780



15.8726, 16.9250, 37.9897

Complementary

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



21.2189, 16.9250, 12.2737



23.4220, 29.7145, 39.1513

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.



13.4298, 16.9250, 34.3426



21.2189, 16.9250, 12.2737



11.3759, 16.9250, 17.8194

Square

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



21.2189, 16.9250, 12.2737



13.7627, 16.9250, 8.0344



11.8569, 16.9250, 26.3582



18.6586, 16.9250, 35.2837

Rectangle

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



21.2189, 16.9250, 12.2737



17.2391, 16.9250, 7.2690



11.8569, 16.9250, 26.3582



14.9869, 16.9250, 37.4481

Sweetspot

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



21.2193, 16.9258, 12.2740



53.2096, 52.3976, 52.7312



25.2286, 17.9598, 35.1429



11.6545, 11.3398, 11.2394



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



21.2193, 16.9258, 12.2740



34.7700, 25.5790, 15.5692



25.1591, 24.8053, 13.5873



7.1044, 7.1471, 7.3852



11.8278, 6.2295, 0.5790



0.2576, 0.1490, 0.0152

Inverse Universe

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



23.4220, 29.7145, 39.1513



39.2104, 51.4118, 69.9130



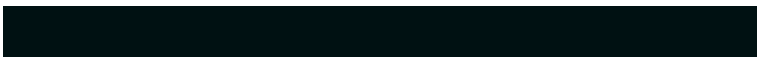
18.2260, 19.3226, 37.4193



7.2418, 7.9425, 9.0544



14.1053, 19.9900, 30.0448



0.3060, 0.4392, 0.6345

Previews

White Background



This preview shows how the XYZ color 21.2189, 16.9250, 12.2737 looks on a white background.

Color Contrast Check

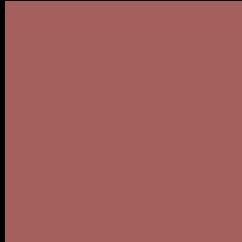
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.2189, 16.9250, 12.2737 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 21.2189, 16.9250, 12.2737

Background



This preview shows how black text looks on a background with the XYZ color 21.2189, 16.9250, 12.2737.

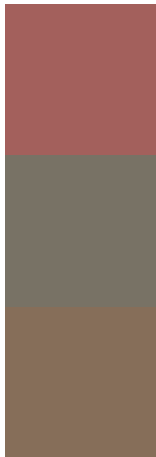


This preview shows how white text looks on a background with the XYZ color 21.2189, 16.9250,

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

21.2189, 16.9250, 12.2737

Protanopia

16.1120, 16.9673, 14.7377

Deuteranopia

17.2106, 16.9415, 11.8141



Tritanopia

21.8003, 17.0362, 14.7097

Trichromacy



Original Color

21.2189, 16.9250, 12.2737

Protanomaly

17.6156, 16.6315, 13.8370

Deuteranomaly

18.5741, 16.8611, 11.9484

Tritanomaly

21.6067, 16.9588, 13.6898

Monochromacy



Original Color

21.2189, 16.9250, 12.2737

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

17.7953, 16.9854, 16.2505

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.2189, 16.9250, 12.2737 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(163, 96, 92)` looks like.

```
.text, #text, p{  
    color:rgb(163, 96, 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(163, 96, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 96, 92) }
```

Border

The CSS property to change the border of an element to XYZ 21.2189, 16.9250, 12.2737 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(163, 96, 92) }
```


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

```
.border{ border-color:rgb(163, 96, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 96, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 96, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 96, 92);  
box-shadow:4px 4px 4px 4px rgb(163, 96,  
92) }
```

Background

The CSS property to change the background color of an element to XYZ 21.2189, 16.9250, 12.2737 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 96, 92) }
```

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

```
.background{ background-color: rgb(163, 96,  
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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